AGGREGATE ALABAMA

STRENGTHS

- 1. Eight (8) doctoral institutions with diverse faculty
- 2. Industry-university cluster
- 3. University support
- 4. State pilot programs (i.e. AL Launch Pad, AL Innovation Funds)
- 5. Tax incentive programs to attract industry
- 6. Strategic hiring of faculties

WEAKNESSES

- 1. No unified strategic plan for the state
- 2. Traditional approach to research
- 3. Process length & difficulty discouraging faculty
- 4. Recruitment & retention of good graduate students
- 5. No entrepreneurial leave and COI policy
- 6. Localized-insufficient business acceleration programs
- 7. Limited venture/angel funds

OPPORTUNITIES

- 1. Linkage of research areas with industrial needs
- 2. Incentivize faculty and students
- 3. Interdisciplinary training of students
- 4. Leverage alumni presence in industry
- 5. Industry- university Summit to understand industrial needs
- 6. Increased interactions with EDPA (Economical Development Partnership of Alabama) & DOC

- 1. Industry collaborating with neighboring states
- 2. Loss of established faculty
- 3. State policy & budget constraints
- 4. Established companies are not from university researchers
- 5. State commercialization infrastructure not competitive
- 6. Perception that "Alabama is not good"

DIRECTED RESEARCH for COLLABORATION &

STRENGTHS

- 1. Eight (8) doctoral institution, large pool of expertise and resources
- 2. Strong and diverse STEM research and education
- 3. Existing federal/industry presence (North AL and Birmingham metropolitan areas)
- 4. Strategic hiring in research cluster areas

WEAKNESSES

- 1. Inadequate communications and collaborations
- 2. No unified strategic plan for the state
- 3. Not enough internal support from state level (weak budget)
- 4. Too much effort on traditional "Academic Activities"
- 5. Low percentage of students going to college

OPPORTUNITIES

- 1. Attracting new industries
- 2. High quality and focused new hires (Cluster hire)
- 3. Linkage of research areas with industrial needs. (Identifying and targeting industries)
- 4. Need a sustained and pragmatic support from the state for long-term
- 5. Establish industrial R&D centers in the state
- 6. Wealthy alumni

- 1. Surrounding states are more competitive (state-wide support, school ranking)
- 2. Student recruitment and retention (Not competitive in graduate students)
- 3. Linking of state support to the EPSCoR program
- 4. No state budget stability
- 5. Losing established faculties

- 1. University tech transfer offices
- 2. Existing state industries
- 3. Favorable patent policies for faculty
- 4. Proximity of industry-university clusters
- 5. University support for developing commercialization (Incubator programs)

WEAKNESSES

- 1. Traditional approach to research (i.e., grants and publications)
- 2. Not enough interdisciplinary collaboration
- 3. Recruitment of quality graduate students
- 4. Little state support to commercialization
- 5. Localized/insufficient technology/business acceleration programs
- 6. Insufficient awareness of university specialist

OPPORTUNITIES

- 1. Large number of untapped potential industrial partners
- 2. Better interaction with EDPA & DOC
- State has strong track record in attracting industrial; opportunities are there if state also gives similar support to university R&D
- 4. Opportunity to inform industries about university research and specialties

- 1. Many industrial partners are collaborating with outof-state institutions
- 2. Perception that Alabama is "NOT" a good place for R&D
- 3. State's commercialization infrastructure in NOT as competitive as surrounding states
- 4. Loss of established faculty

- 1. Diverse faculty
- 2. Encouragement & existing support from universities
- 3. Some state pilot programs: AL Launch pad, AL Innovation Funds
- 4. Five start-up companies resulted from EPSCoR
- 5. Faculty members work directly with industries in R&D and product development

WEAKNESSES

- Faculties are "traditional" and these is no additional incentives (Faculties do not like to get out of their comfort zone), need more faculties with entrepreneurial gene
- 2. Process is long and hard and investment/return ratio is low
- 3. Minimal interaction between faculties from business, law and STEM disciplines, No clear policies on C.O.I. (statewide)
- 4. No entrepreneurial leave policy
- 5. No statewide venture/angel funds

OPPORTUNITIES

- 1. Incentivize faculties and students
- 2. Interdisciplinary training of students in STEM/business/law minor
- 3. Leverage large body of alumni presence in industry
- 4. Develop policies on leave-of-absence and conflictsof-interest for faculties

- 1. Loss of well-established faculties
- 2. Established companies are not from university research
- 3. Out of state universities
- 4. State policy and budgetary constraints

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. Huntsville Angel Funds
- 2. GE Aviation added manufacturing base in Auburn, AL
- 3. Tax incentive program from state level
- 4. Economical to start new infrastructure
- 5. Cluster strategic hiring at some universities
- 6. Alabama Launch Pad pairs start ups with mentors

WEAKNESSES

- 1. Presence of angel/venture terms limited to specific locations
- 2. Process length and difficulty is discouraging to faculty
- 3. Lack of awareness of cost/benefit ratio
- 4. How does it fit into academic structure?
- 5. Lack of entrepreneurship training

OPPORTUNITIES

- 1. Room to grow the entrepreneurship culture
- 2. Leverage alumni support
- 3. Incentivize the faculty and educate the legislatures
- 4. Hold industrial/university summit to understand industrial needs and university specialties
- 5. Educating students at early stages to build the culture

- 1. Competition from out-of-state universities and nonstart-up companies
- 2. Losing of well-established faculty who can serve as mentors
- 3. Motivating faculty beyond tenure

- 1. Infrastructure has improved: organizations, facilities, programs, policies
- 2. Have basics of NSF pipeline: research, intent to commercialize, bulking and icorps program)
- 3. Human infrastructure is increasing
- 4. MOU for shared IP

WEAKNESSES

- 1. NSF pipeline is incomplete
- 2. Not building on other federal opportunities
- 3. Lack of later-stage capital
- 4. Lack of human capital
- 5. No comprehensive, long-range plan for research and economic investment
- 6. Public support for research for technology companies
- 7. Culture of collaborative research among universities

OPPORTUNITIES

- 1. Use of national laboratories
- 2. Change incentives to encourage more research and commercialization
- 3. Increasing awareness of various federal funding programs that support commercialization
- 4. Building a consensus in public legislature and the governor's office to support commercialization
- 5. Educate/change attitudes at all level of colleges supporting commercialization
- 6. Developing younger leadership relative to commercialization
- 7. Better funding of non-profit support groups
- 8. Venture fund
- 9. Use agreement college/university agreement

- 1. Spending scarce resources without a targeted longrange plan
- 2. Lack of legislative support
- 3. Venture-level funding
- 4. Competition among 75 counties for limited resources
- 5. Public trust and buy-in

DIRECTED RESEARCH for COLLABORATION &

STRENGTHS

- 1. Extensive research infrastructure (EPSCOR)
- 2. Pockets of expertise: UA Fayetteville, UAMS
- 3. ASU Bio imaging program
- 4. Carol Reeves Program business plan development
- 5. Exposure to NSF PIPE program
- 6. UAF IGNITE program and ME CDOI
- 7. Established multi-state collaboration experience
- 8. Experience: commercial/academic convening
- 9. Strong SBIR/STIR assistance
- 10. High quality market research MOU across state campuses
- 11. PI Directed Research for Innovation and Collaboration

WEAKNESSES

- Legislator/campus and general policies: academic support; mechanism for coordinating esearch and industry; service/equipment agreement; lack of state research funding
- 2. Lack of public recognition: research
- 3. Lack of release time for faculty
- 4. Lack of connection: industry and research
- 5. Difficulty in attracting research retention and talent
- 6. Maintaining student workforce retention
- 7. Curriculum doesn't match industry needs (ex. engineering)
- 8. Internal competition among groups

OPPORTUNITIES

- 1. NSF programs (other than EPSCoR)
- 2. Add more job creating opportunities out of EPSCoR
- 3. Job-oriented administration (ex. governor)
- 4. More fortune 500 companies to engage global opportunities, WalMart's innovation labs
- 5. Increasing awareness of SBIR/STTR assistance free through ASBTDC
- 6. National Center for Toxicology Research
- 7. USDA Rice Laboratory
- 8. Regional common interest w/adjoining states working relationships established
- 9. Arkansas Research Alliance
- 10. Computer science initiative PR has generated interest from large, out of state organizations
- 11. EPSCoR within AEDC
- 12. Accelerate AR

- 1. EPSCoR transitions in personnel
- 2. Legislative budget cuts
- 3. Continuing federal budget support for research
- 4. Public support for research
- 5. Competition with other states
- 6. Uncertainty of governors support
- 7. Talent competition
- 8. Geography

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. Campus incubators
- 2. 1 strong TT office instate
- 3. VIC
- 4. UAF Technology Park positive attitude for commercialization (UAF)
- 5. Established process for SBIR companies
- 6. ASBTDC innovative entrepreneur services statewide
- 7. Reynolds Governor's Cup
- 8. Elevator pitch training
- 9. Many special programs \$ assistance
- 10. IGNITE
- 11. Globally recognized medical university w/incubator
- 12. Centers for Excellence
- 13. Training programs open to public
- 14. Connections w/corporate
- 15. Multiple accelerator facilities/programs
- 16. High quality market research available

WEAKNESSES

- 1. Connections & cost (incl. legal services)
- 2. Only 1 strong TT office in state university
- 3. Less applied research vs. basic
- 4. Lack of networking with industry
- 5. SBIR proposal dev. knowledge seeking topic matches
- 6. Lack of university dept. incentives for commercialization
- 7. Competition for limited resources
- 8. Lack of credit for tenure process
- 9. Lack of industry interest in research opportunities on campus
- 10. Lack of understanding industry needs
- 11. Lack of applied research funds
- 12. Lack of incubator space usage
- 13. AMS underdeveloped
- 14. Low national ranking SBIR awards
- 15. Lack of NSF program use
- 16. Lack of service agreements equip. & space
- 17. Commercialization is not faculty priority

OPPORTUNITIES

- 1. "Industry inspired" research
- 2. High-end infrastructure that industry can use
- 3. Changing NSF attitude re: programs
- 4. More use of NSF pipe programs
- 5. Educating researchers and universities: commercialization
- 6. UAMS BioVentures change focus back to start-ups
- 7. More participation in accelerators by universities
- 8. Licensing and purchasing from small companies
- 9. Strengthen TT offices
- 10. Fortune 500 companies potential collaboration
- 11. Globalization in new markets
- 12. Geography and transportation system
- 13. Large number of research institutions
- 14. Natural resources (oil & gas, minerals, aquaculture)

- 1. Air transportation
- 2. Geographic isolation between industry and research
- 3. Crumbling infrastructure and lack of support investment to expand
- 4. Lack of high-speed internet connectivity
- 5. Poor economy in education in many state regions
- 6. Public attitudes toward economic development
- 7. Poor state image
- 8. Few industry R&D facilities
- 9. Lack of connectivity w/industry headquarters
- 10. Not enough champions for commercialization

ENTREPRENEURSHIP ARKANSAS

STRENGTHS

- 1. Good state programs in place
- 2. A number of private/non-profit support (angel groups)
- 3. Growing mentor members
- 4. Accelerate AR
- 5. More recognition and understanding
- 6. Governor's Cup (AEAF support Y.E.S. & Y.E.S 2.0)
- 7. Carol Reeves Program
- 8. Student engagement SBIR projects
- 9. K-12 programs (Nobel impact)
- 10. STEM programs
- 11. 6 regional ASBTDC locations (training, consulting)
- 12. Culture of small business ecosystem activity
- 13. Entrepreneurial legends

WEAKNESSES

- 1. Underfunded state programs
- 2. University connections weak w/private groups
- 3. Not enough recognition/understanding
- 4. Not enough strong college entrepreneur programs
- 5. Not a strong entrepreneurial attitude among colleges NCIIA participation
- 6. Technology workforce
- 7. Broadband availability
- 8. Funding issues for non-profits
- 9. Keeping educated graduates
- 10. Not enough champions
- 11. Aging nonprofit leadership
- 12. Need more applied research grants
- 13. Underfunded entrepreneurial programs
- 14. More entrepreneurial research programs
- 15. Lack of commercializing ideas out of federal labs
- 16. Public relations to highlight opportunities
- 17. Access to university IP for entrepreneurs
- 18. Release time for faculty for future activities

OPPORTUNITIES

- 1. Keep family units close when students stay
- 2. Gaining technology (ex.computer based) across state
- 3. Building in-state ventures
- 4. Creating start ups
- 5. Developing younger leadership
- 6. Better funding of non profit support groups
- 7. Proof of concept fund
- 8. Better use of NSF programs pipeline
- 9. New AEDC leadership & governor opportunity for more homegrown talent
- 10. Opportunity for balance between recruiting and homegrown
- 11. State sanctioned intrastate crowd-funding

- 1. Venture funding all out of state
- 2. No mechanism for getting IP out of federal labs
- 3. Losing research strengths ARA scholars
- 4. Losing existing entreprenurial funding
- 5. ASBTDS national competition for federal funding each year
- 6. Access to user-friendly computer equipment
- 7. Ability for rural ideas to get access to support
- 8. Lack of support for colleges and their programs

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. Tax credit (R&D + Investment)
- 2. Growing angel community
- 3. Improved new business startup process
- 4. Innovate AR mentoring, coaching
- 5. ASBTDC training
- 6. Non-profit support organizations
- 7. Some out of state investments
- 8. Capital gains tax credits
- 9. Lowest US state cost to start a business
- 10. USPTO speakers share IP details and best practices

WEAKNESSES

- 1. Lack of venture capital
- 2. Low amount of AIF-funded investment
- 3. Lack of shared manufacturing facilities
- 4. Geographic isolation
- 5. Weak cluster strategy statewide
- 6. Lack of significant exits to generate investor confidence
- 7. Lack of C-Level individuals
- 8. Lack of serial entrepreneurs
- 9. Lack of science based startups
- 10. Lack of success of companies coming out of accelerators
- 11. More SBIR Ph 2 awardees
- 12. More incentives for university, faculty engagement in SBIR/STTR projects

OPPORTUNITIES

- 1. Venture fund
- 2. Better models for accelerators
- 3. More funding for non-profit support organizations (ex. Venture Center)
- 4. Use agreement for college equipment
- 5. Raising cap on equity investment tax credit
- 6. Allowing companies to use R&D tax credit after using the regular/traditional one
- 7. Reinstitute Arkansas Technology Summit attracts investors
- 8. Better funding of entrepreneurial programs
- 9. Create plan for technology-based industries in rural AR
- 10. Incentivize the entrepreneur
- 11. Incentivize the inventor & the department
- 12. Innovate Arkansas better interaction with universities

- 1. Possibility of losing Reynolds's Gov. Cup (funding support)
- 2. Lack of legislative support
- 3. Loss of investment at the angel level due to lack of exits
- 4. Loss of our non-profit support orgs
- 5. Economic culture built around recruitment rather than building new industries
- 6. Disappearance of manufacturing jobs because not kept modernized and competitive
- 7. Startups getting recruited away from state

AGGREGATE DELAWARE

STRENGTHS

- Office of Economic Innovation and Partnerships (OEIP) integrates and facilitates process from research, to startup to commercialization
- 2. Strong culture for establishing centers and facilities to support research and innovation
- 3. Courses in entrepreneurship business development/Spin In^R / Spin Out in collaboration with Lerner College of Business and Economics
- 4. Strong alumni base/entrepreneurial Networks
- 5. Small campus / small state

WEAKNESSES

- 1. Lack of strategic alignment of too Independent programs that compete for the same limited resources
- 2. Lack of coordinated SBIR-STTR program
- 3. Lack of funding support Angel/Investor
- 4. Lack of State commitment to entrepreneurial/small business development
- 5. Lack of State and government incentives to keep business in DE/to nourish businesses
- 6. Too many independent programs within innovation community

OPPORTUNITIES

- 1. Change in leadership at the State and University
- 2. Office of Economic Innovation and Partnerships to facilitate all aspects of business development
- 3. SBA FAST grant for SBIR
- 4. Increased alignment of academic, private, government entities
- Spin In^R and Pathways 2015 program (systematically change education to include entrepreneurial training at the undergraduate level)
- 6. New faculty hires

- 1. Decline in federal funding
- 2. Change in leadership at the State and University
- 3. Lack of alignment with the State for venture/economic development strategies
- 4. Lack of strategic alignment between administration and faculty on basic research vs. new business development
- 5. Lack of faculty incentives that impact retention/tenure

- 1. Small campus/small state speed of action
- 2. Good partnership culture/network
- 3. Culture for establishing centers to facilitate research and innovation

WEAKNESSES

- 1. Sustainability of centers and institutions
- 2. Lack of support from the State
- 3. Too many independent programs within innovation community
- 4. Lack of SBIR/STTR process
- 5. Lack of adequate funding

OPPORTUNITIES

- 1. Direct communication with congressional group
- 2. Change in leadership at the State and University
- 3. Pathways 2015 program
- 4. The Office of Economic Innovation and Partnerships facilitates all aspects of business development

- 1. Lack of agreement on funding
- 2. Major leadership changes
- 3. Decline of federal support
- 4. Priority issue between administration and faculty on basic research and new business development

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- Facilities to support technology commercialization (Science Technology Advanced Research (STAR) campus, Delaware Technology Park, UD Incubator)
- 2. Process to integrate activities from research, to startup to commercialization
- 3. Strong alumni base for mentoring
- 4. Integrated commercialization process managed through Office of Economic and Innovative Partnerships
- 5. Strong community college system
- 6. Courses on technology commercialization
- 7. Spin In^R

WEAKNESSES

- 1. Lack of funding support Angel/Investor funding
- 2. Lack of support from State low tax incentives
- 3. Lack of strategic alignment between State and Academic Institutions
- 4. Cultural differences between north/south Delaware

OPPORTUNITIES

- 1. Change in leadership at the State and University
- 2. Retraining programs change from manual labor to higher tech programs
- 3. Cyber security initiative across state facilitating partnerships among government, private sector and academic institutions
- 4. New faculty hires with high interest in technology commercialization
- 5. Spin In^R

- 1. Change in leadership at the State and University
- 2. Increased focus on internal vs. external opportunities
- 3. Lack of faculty incentives that impacts retention
- 4. Lack of accelerator incubator to keep small businesses in Delaware

ENTREPRENEURSHIP DELAWARE

STRENGTHS

- Process / facilities that encourage support of entrepreneurship – (Science Technology Advanced Research (STAR) campus, Delaware Technology Park, UD Incubator)
- 2. Courses and experiential learning programs in place to teach under/grads
- 3. Entrepreneurship management through Office of Economic and Innovative Partnerships
- 4. Strong alumni base
- 5. Cost free business counseling from invention through commercialization
- 6. Employees with private sector experience that understand entrepreneurship

WEAKNESSES

- 1. Too many independent programs w/o a common goal
- 2. Independent programs competing for the same funding sources
- 3. Lack of State support
- 4. Inadequate funding for an effective SBIR/STTR program
- 5. Lack of commitment to establish a strong entrepreneurial culture

OPPORTUNITIES

- 1. Change in leadership at the State and University
- 2. Integrate independent programs; coordinate and leverage resources
- 3. Spin In^R
- 4. Network of alumni & local entrepreneurs
- 5. New faculty hires
- 6. Stronger SBIR/STTR program

- 1. Lack of funding to execute our plan
- 2. Change in leadership at the State and University
- 3. Increased focus on internal vs. external opportunities
- 4. Loss of faculty incentives
- 5. Faculty tenure related issues

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. Horn Program in Entrepreneurship
- 2. Office of Economic Innovation and Partnerships (OEIP)
- 3. High Tech Entrepreneurial Class
- 4. Alumni base, network of entrepreneurs
- 5. Proximity of companies small state
- Incubator capacity Delaware Technology Park & Science Technology Advanced Research (STAR) campus
- 7. Cost free business counseling from invention through commercialization

WEAKNESSES

- 1. Limited funding for valley of death financing
- 2. Lack of angel/investor funding sources
- 3. Lack of incentives tax credits / etc, from State
- 4. In hours capacity and expertise to handle new ventures

OPPORTUNITIES

- 1. Coordination of efforts to facilitate the process
- 2. Develop alignment with the State
- 3. SBA funding for SBIR/STTR program development
- 4. Coordinated "Maker Space"

- 1. Lack of angel/Investor funding
- 2. Lack of alignment with State for venture / economic development strategy
- 3. Priority issue between administration and faculty on basic research and new business development

AGGREGATE IDAHO

STRENGTHS

- 1. IGEM
- 2. Statewide SBDC & Tech Help
- 3. Tech Transfer offices with consistent policies
- 4. CAES
- 5. Research infrastructure
- 6. Easy to start a small business

WEAKNESSES

- SBIR/STRR program limited/minimal presence
- 2. Lack of understanding and incentives for faculty
- 3. Low rate of post HS Education
- 4. Small businesses lack trans. Plan and not scalable

OPPORTUNITIES

- Pathway of resources/ecosystem development
- 2. SBIR/STTR support program
- 3. Better collaboration w/INL and between universities
- 4. More tax-friendly start up environment
- 5. Potential for \$\$ investment
- 6. More comprehensive SOP's

- 1. Minimal venture capital investment
- 2. Lack of coordination of universities & common organizations
- 3. Isolated geography and competitive neighboring states
- 4. Education cuts during downtimes

DIRECTED RESEARCH for COLLABORATION &

STRENGTHS

- 1. Single government agency SBOE
- 2. Proximity to large industry
- 3. Infrastructure and personnel
- 4. Research centers
- 5. CAES/Collaboration
- 6. Increasing research \$
- 7. Physical makeup of state

WEAKNESSES

- 1. Lowest GDP per capita in US
- 2. Most universities have limited research track record
- 3. Internal competition for limited \$
- 4. Retention of faculty (res/\$)
- 5. One of nation's lowest rates of going on past HS
- 6. Rural, resource based culture
- 7. Rogue faculty

OPPORTUNITIES

- 1. Further leverage INL
- 2. Private funding
- 3. Statewide research projects
- 4. Improved collaboration
- 5. Maximizing SBIR/STTR programs

- 1. Legislative changes
- 2. Lack of education & communication
- 3. Retention of quality students (HS)
- 4. Isolated geography
- 5. Workforce depletion
- 6. West Coast influence
- 7. 63% of ID Federally owned

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. TTO at each university
- 2. IGEM program
- 3. Consistent TC (TE) policies at universities
- 4. SBOE licensing guidelines
- 5. C TAP ("crack model")
- 6. Research parks & Incubators

WEAKNESSES

- 1. No incentives to disclose (besides RD%)
- 2. New IP police, new program
- 3. Understaffed OTT, \$
- 4. Rogue faculty
- 5. IP Champion
- 6. SBIR/STTR culture
- 7. Understanding Ine/Acc/RP capabilities

OPPORTUNITIES

- 1. Signature IP showcase
- 2. Research foundations
- 3. Improved faculty innovation culture/ priority
- 4. Improved awareness
- 5. TC organization at INL
- 6. Growth of SBIR funding
- 7. Leverage \$
- 8. Commercialization fund for SBIR

- 1. News media (local) TT/IGEM
- 2. Lack of coordination & communication (Centers/Incubators)

ENTREPRENEURSHIP

STRENGTHS

- 1. VL @ BSU
- 2. Entrepreneurial degrees @ all universities
- 3. Pitch competitions
- 4. SBDC on campus statewide
- 5. Entrepreneurial Law at UI
- 6. IGEM
- 7. Supportive culture & infrastructure

WEAKNESSES

- 1. Internal collaboration needed for pitch events
- 2. Minimal SBIR/STTR
- 3. Lack of collaboration/involvement with COBE at BSU

OPPORTUNITIES

- 1. BSU CID
- 2. SBIR/STTR support for entrepreneurs
- 3. B SURF
- 4. Entrepreneurial "pathway" of state resources
- 5. Vandal Venture Fund
- 6. Comprehensive policy to promote entrepreneurship

- 1. No leave policy
- 2. Culture of silos
- 3. Limited venture funds for students and otherwise

- Manufacturing and prototype facilities across the state
- 2. Easy to start a small business in Idaho
- 3. Tech Help & SBDC
- 4. Workforce Training Fund
- 5. IGEM

WEAKNESSES

- 1. Angel fund currently re-structuring
- 2. No VC funds
- 3. Clusters limited to marketing
- 4. A lot of small businesses in Idaho: No generational transition or not scalable

OPPORTUNITIES

- 1. Working with WBI to help Angel Alliance
- 2. More flexibility in incentive programs and new incentives for tech-based start-ups
- 3. Coagulate start-up services for united front

- 1. Develop our own critical mass
- 2. Business environment in neighboring states
- When recession occurs, education is most likely cut, which directly impacts workforce development

AGGREGATE KENTUCKY

STRENGTHS

- 1. Community Support
- 2. Selected state programs/support (KSTC, KSEF, SBIR-STTR, etc.)
- 3. Entrepreneurial Ecosystem
- 4. Recent successes in commercialization and translation

WEAKNESSES

- 1. Uneven support across universities
- 2. Few serial entrepreneurs/mentors/role models
- 3. Not enough funds to grow capital intensive tech companies
- 4. Lack of major corporate HQ
- 5. No federal lab

OPPORTUNITIES

- 1. Closer collaboration between universities
- 2. Emphasis on Public-Private Partnerships
- 3. Innovative academic programs
- 4. Engaging alumni and friends of the university
- 5. Greater efforts to attract industry to KY

- 1. Uncertain support for innovative programs, e.g. Bucks for Brains, matching funds, tax incentives, etc.
- 2. Competition from surrounding states and universities
- 3. Lack of legislator understanding of the importance of the higher education enterprise
- 4. Declining economy in areas of strength in KY
- 5. Outside perception of KY

DIRECTED RESEARCH for COLLABORATION & INNOVATION

STRENGTHS

- 1. Center of Excellence in multiple areas
- 2. State support for selected programs
- 3. Bucks for Brains quality faculty
- 4. Strong collaboration between universities
- Recent successes in highly visible collaborations between UK and UofL

WEAKNESSES

- 1. Research infrastructure
- 2. Ability to recruit and retain quality faculty (low compensation)
- 3. No federal lab
- 4. No major corporate HQ/R & D
- 5. Institution competition
- 6. Few major research institutions
- 7. Industrial-Academic partnerships

OPPORTUNITIES

- 1. Statewide funding for innovation (Like Ohio's Third Frontier)
- 2. Research in exomedicine
- 3. Aggressive pursuit of federal funding
- 4. Joint efforts in bringing industry interest to KY

- 1. Continuous fractioning of research efforts, in particular between UK and UofL
- 2. Declining economy in areas of strength in KY
- 3. Threat to federal funding
- 4. Change in state funding matching
- 5. Brain drain
- 6. Competition from surrounding states
- 7. Lack of support for higher ed among legislatures
- 8. Perception of KY by outsiders

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. KY Commercialization Fund
- 2. Community support for technology commercialization
- 3. Incubators, accelerators, research parks
- 4. Innovative faculty members
- 5. Experienced staff DTT & Industry
- 6. Engagement
- 7. Recent successes in commercialization and translation

WEAKNESSES

- 1. Imbalance and non uniformity across universities in the state
- 2. Tech commercialization not a faculty priority
- 3. Virtually no tech transfer support at comprehensive universities (staff and funding for IP protection)

OPPORTUNITIES

- 1. Build on increased funding opportunities, NIH, NSF, commerce, etc.
- 2. Increase in trends of industry shifting R & D to universities
- 3. Additional collaboration between universities
- 4. Collaboration with SBIR companies
- Take advantage of existing experience and expertise of faculty members that can be used to solve real life problems

- 1. Lack of understanding by legislators
- 2. Few faculty innovators
- 3. Less focus on applies research
- 4. Few industries to collaborate on TC (Lack of corporate HQ's)
- 5. Other states are outpacing us, including some of our neighbors
- Outside perception of poor track record in commercializing research

ENTREPRENEURSHIP

STRENGTHS

- 1. Entrepreneurial leave
- 2. Great state-wide network for assistance
- 3. Entrepreneurial ecosystem
- 4. SBIR-STTR matching/assistance
- 5. Overwhelming community support
- Student Entrepreneurial Programs Idea State U. Governor's

WEAKNESSES

- 1. Uneven support from Business Colleges across the state
- 2. Low emphasis at regional universities
- 3. Some faculty reluctance to start companies
- 4. Not enough funds to grow capital intensive tech companies
- 5. Lack of mentors
- 6. Lack of business clusters in specific areas

OPPORTUNITIES

- 1. Greater emphasis on public, private partnerships
- 2. More innovative academic programs integrating entrepreneurship
- 3. Aggressive pursuit of out of state investors
- 4. Capitalize on visibility of student entrep. teams
- 5. Create more investment funds
- 6. Tap into alumni entrepreneurs who want to help their university

- 1. Regional competition
- 2. Weak venture capital resources available
- 3. Losing momentum
- 4. Downturn in the economy leading to lower risk taking by investors
- 5. KY is vulnerable to outside venture capital investment in its tech companies

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. Tax incentives for business
- 2. Tax incentives for investors
- 3. Community support business creation
- 4. Early seed investment
- 5. Kentucky Innovation Network

WEAKNESSES

- 1. Lack of strong industry cluster
- 2. Lack of access to capital
- 3. Few serial entrepreneurs/Role models
- 4. Lack of people with management experience
- 5. Lack of exposure of KY startups at the national level

OPPORTUNITIES

- 1. Concerted effort to promote KY innovations nationally
- 2. Develop strategies to capitalizes on areas of research excellence in translation to companies
- 3. Connect KY businesses to national funding institutions
- 4. More partnering across regions and institutions
- 5. Deep pool of entrepreneurial faculty
- 6. Collaboration with federal labs in the region

- 1. Angel/VC funding decline
- 2. Competition from other states
- 3. Declining economy

AGGREGATE LOUISIANA

STRENGTHS

- 1. State & BOR supported programs
- 2. Innovation culture
- 3. Physical infrastructure
- 4. Business & entrepreneurship training and support
- 5. Technology transfer expertise
- 6. Preseed capital

WEAKNESSES

- Lack of experienced business leadership for startup & support
- 2. University leadership continuity & culture
- 3. Public perception and K-12 education
- 4. Budget priorities and uncertainties
- 5. Venture & angel funds
- 6. Laws and statewide communications

OPPORTUNITIES

- 1. Niche research specialties
- 2. Biomedical
- 3. Best practices in startup and recent student involvement
- 4. Education & training in entrepreneurship
- 5. Linkages & network in funding
- 6. Improved use of incubators/accelerators/research parks

- 1. Budgets and funding
- 2. Natural disasters
- 3. Public perception and K-12 education
- 4. Federal law
- 5. Price of oil
- 6. Competition from adjacent economies

DIRECTED RESEARCH for COLLABORATION & INNOVATION

STRENGTHS

- State programs: BOR industrial ties, BOR POC/P fund, SBIR/STTR tax credits and Phase 0, LED Innovation Council; LONI
- 2. Innovation funds
- 3. Maker spaces
- 4. Decentralized higher education multi-systems
- 5. Culture of innovation

WEAKNESSES

- 1. Industry headquarters outside of state
- 2. Perception/attracting
- 3. K-12 education
- 4. Not diversified economy energy/chemical
- 5. Brain drain
- 6. Higher education and healthcare are not protected priority in state budget

OPPORTUNITIES

- 1. National Labs @ NASA STENNIS
- 2. Cyber Innovation Center (Bossier)
- 3. Biomedical research: Pennington, Tulane, LSU, HSC-S and NO; population demographics
- 4. Gulf as a natural laboratory
- 5. Water Institute
- 6. Climate
- 7. Advanced manufacturing

- 1. Low industry R&D spending In state
- 2. Over-reliance on state funding for academic research
- 3. Price of oil
- 4. Natural disasters (insurance cost)

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. Experienced T.T. people
- 2. Statewide organization of T.T. professionals
- 3. Business mentor pool development
- 4. BOR initiative to hire statewide liaison
- 5. LED appreciation importance on T.T.
- 6. Favorable policies royalty sharing incentives
- 7. Incubators
- 8. Accelerators
- 9. Research park
- 10. Statewide technology gateway

WEAKNESSES

- 1. Limited patent budgets
- 2. University culture P&T
- 3. Mixed continuity
- 4. High level leaders turnover @ some institutions
- 5. State laws
- 6. Attorney general on law firms
- 7. Lack of understanding
- 8. Engineering experimentation stations

OPPORTUNITIES

- 1. Connected at highest levels of AUTM
- 2. Some political support against patent reform
- 3. Niche specialties: Agriculture, Energy, Cyber, Civil/Infrastructure

- 1. Patent reform: joinder; fee shifting
- 2. Transportation across state
- 3. Perception
- 4. Low R&D federal expenditures

ENTREPRENEURSHIP

STRENGTHS

- 1. Many entrepreneurship training programs
- 2. Business plan competition prizes
- 3. Angel tax credit
- 4. Angel funds (new)
- 5. SBIR/STTR training
- 6. POC funding @ state level (BOR)

WEAKNESSES

- 1. Experienced business managers lacking
- 2. Professional business services not focused on early state
- 3. VC funding scope primarily medical
- 4. Risk taking culture not embraced
- 5. Networks locally and across state missing or non functioning
- 6. No clear communication @ opportunities at state
- 7. Loss of best & brightest

OPPORTUNITIES

- 1. Educate and train future entrepreneurs
- 2. Angel networks and community culture change programs
- 3. VC growth and linkages
- 4. Innovation fund
- 5. Favorable incubator rates
- 6. Multi-disciplinary entrepreneurship education experiential learning (bus/sci/law)
- 7. Link to university alumni

- 1. Competition from other bugger states with better resources
- 2. Not innovation economy mfr/tourism
- 3. Louisiana external perception
- 4. Few Fortune 500 companies senior leadership retirees not local

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. Business plan competition prizes
- 2. Maker space for prototyping
- 3. State-wide POC/P funding (BOR)
- 4. Business tax credits for R&D and angel \$
- 5. Private investment funds
- 6. Business incubators & accelerators
- 7. BREW

WEAKNESSES

- 1. Lack of experienced business leaders
- 2. Service providers for small business
- 3. Limited VC scope
- 4. Angel investors looking to later stage
- 5. Lack of innovation culture negative incentive

OPPORTUNITIES

- 1. Improve use of research parks & incubators
- 2. Education & training in entrepreneurship
- 3. Linkages & networking in new ventures
- 4. Utilize recent grad students/post docs in company creation/startup
- 5. Learn best practices from aspirational ecosystems
- 6. Improve/change cultures; success stories

- 1. Relocation/draw to other economies
- 2. International student visa laws
- 3. Louisiana external perception
- 4. Poor K-12 public education
- 5. No long term commitment from senior leadership in large companies

AGGREGATE MAINE

STRENGTHS

- 1. Strong Seagrant extension program
- 2. Incubators CCAR, DMC, ARC
- 3. MTI (funding, competitions, training)
- 4. Top Gun (entrepreneur training)
- 5. Favorable industry/academic relationships
- 6. SEANET interdisciplinary research
- 7. Cross-state marine science collaboration across universities
- 8. Large & diverse ecosystem

WEAKNESSES

- 1. Low VC presence
- 2. Geographic distance
- 3. Value chain ignorance & lack of process/dist. infrastructure
- 4. Immature industry
- 5. High transactional cost for outreach
- 6. Small market for licensing
- 7. No R&D funding in industry
- 8. Coordination of R&D facilities

OPPORTUNITIES

- 1. Open to new start-ups
- 2. Need for new employment in rural areas
- 3. Aquaculture is growth industry globally
- 4. Growing interest in sustainable foods in US
- 5. Availability of follow-on federal funding
- 6. Ripe for innovation
- 7. International R&D collaboration

- 1. Fear of market dominance by 1-few commercial players
- 2. Foreign competition imported aquaculture
- 3. Competition from existing industry
- 4. DMR permitting
- 5. Public perception against aquaculture
- 6. Banking sector willingness to invest (low ROI; high risk)

DIRECTED RESEARCH for INNOVATION & COLLABORATION

STRENGTHS

- 1. Largest coastline in US
- 2. CCAR, ARC, DMC 3 wet tank R&D facilities
- 3. Seagrant (NOAA) govt.
- 4. Seagrant (NSF) govt.
- 5. UNE, UMaine, MMA, UMM, St Joseph's (schools)
- 6. Bigelow, MDIBL, GMRI, DEI (private)
- 7. State is populated with (people) DEEP EXPERTISE in marine science
- 8. Favorable relationships, practices, outcomes w/industry

WEAKNESSES

- 1. Funding: operating budget; capital budget
- 2. Allocation of funds
- Interpersonnel strain; coordination of research staff across state
- 4. Coordination of R&D infrastructure, pricing structure (internal)
- 5. Dated infrastructure in some facilities
- 6. Poor proximity of facilities to campus
- 7. No advocate in state government

OPPORTUNITIES

- 1. SEANET follow on grants
- 2. Growth industry (globally)
- 3. Climate change
- 4. Interdisciplinary growth
- 5. Opportunity to grow support for R&D
- 6. Synergy with offshore wind projects
- 7. K-12 STEM initiatives
- 8. Growing interest in sustainable food/organic farming
- 9. Good industry and academia people

- 1. Climate change
- 2. Diminishing state funding
- 3. Social perceptions/resistance
- 4. Subsidized foreign competition (R&D \$)
- 5. Small R&D community (insular)

- 1. Commercialization oriented faculty
- 2. Commercialization oriented administration
- 3. Incubator facilities unique, aligned with industry
- 4. Foster center for innovation
- 5. Strong extension (outreach)
- 6. Interdisciplinary R Teams
- 7. Good industry/research comm.
- 8. MTI
- 9. Workforce development

WEAKNESSES

- 1. R (no D) oriented faculty
- 2. Immature industry
- 3. No industry \$ for research
- 4. High transaction/outreach cost
- 5. Small market for licenses/patents
- 6. R&D risk
- 7. Lack of depth in key positions

OPPORTUNITIES

- 1. Coastal non-profits, conservation groups
- 2. Grass roots interest
- 3. Good \$ ops (currently)
- 4. Opportunity for improved profitability (immature industry)
- 5. Can make work more appealing
- 6. Good ind/research connection
- 7. Incentivizing participation in the process (NSF, incl. licensing)

- 1. Imported technology
- 2. Public perception
- 3. Competition for the coastline
- 4. Competition from established industry
- 5. Capital availability (high risk)
- 6. Foreign (subsidized) competition
- 7. DMR permitting

- 1. Innovation Engr. Prog. (Entrep. minor)
- 2. Top Gun (UMaine, MCED)
- 3. New UMaine business accelerator, coaching
- 4. Accessible training/coaching
- 5. Extension
- 6. Access to faculty

WEAKNESSES

- 1. No aquaculture specificity in training and coaching (yet)
- 2. "Small" thinking
- 3. Lack of awareness of opportunity
- 4. Lifestyle work weather, hard labor
- 5. Value chain ignorance
- 6. No entrepreneur in residence
- 7. Geographic district

OPPORTUNITIES

- 1. Open to new start-ups
- 2. Follow on grants; education, cluster grants
- 3. High unemployment of willing workers
- 4. Historically working waterfronts
- 5. Processor/distributor opportunities

- 1. Brain drain to Boston
- 2. Low barriers to competition
- 3. Lack of distr. infrastructure

- 1. MTI, FAME, Maine Angels, CEI
- Ongoing relationships w/UNI/SEANET leadership
- 3. Legal services deferred payment

WEAKNESSES

- 1. Poor profitability
- 2. High risk (red tide, storm)
- 3. Very low V.C. presence
- 4. Geographic distribution of support
- 5. Faculty teaching loads
- 5. Maine bond process
- 7. Business school engagement

OPPORTUNITIES

- 1. Libra
- 2. Translational NSF Res. Grants
- 3. Community Micro Loans
- 4. Community farming
- 5. One UMS

- 1. Access to working capital
- 2. Relatively low ROI
- 3. Market dominance by 1 or few commercial entities
- 4. Attractiveness of foreign opportunities for investment \$

AGGREGATE MISSOURI

STRENGTHS

- 1. Strong TTO @ MU
- 2. 2nd most accelerators/capita
- 3. Strong research institutions
- 4. Identifies research clusters w/industry anchors
- 5. 5 medical schools + clinical research
- 6. MU Research Reactor largest in US
- 7. Kauffman Foundation
- 8. Strong entrepreneurial education
- 9. Strong support organizations
- 10. Improving seed funding for start-ups including state \$

WEAKNESSES

- 1. Limited pre-seed/POC funding
- 2. Limited late-stage institutional investors
- 3. No angel tax credits
- 4. Limited SBIR/STTR engagement/strategy
- 5. Lack of consistent faculty leave policy & faculty capacity
- 6. Inter-Institutional competitiveness
- 7. No state-wide EPSCoR strategy
- 8. Limited state resources for research and education
- 9. Poor communication among schools
- 10. No industry engagement of office/strategy
- 11. Weak culture of tech commercial./entrepreneurship

OPPORTUNITIES

- 1. Identify/educate new sources (locally) of investment, angel & VC
- 2. Better leverage of government programs
- 3. Coordinate access to manufacturing/prototyping
- 4. Look to others for best practices for education & business formation
- 5. Increase regional collaboration
- 6. Exploit strengths in ag, high-performance computing

- 1. Politicized science
- 2. Increased competition for research \$
- 3. Reduced federal funding
- 4. Lack of C-level management
- 5. Insufficient/undereducated workforce
- 6. Acceptance of failure
- 7. Managing expectations regarding benefits of entrepreneurship

DIRECTED RESEARCH for INNOVATION & COLLABORATION

MISSOURI

STRENGTHS

- 1. UM System
- 2. Washington University
- 3. SLU
- 4. Danforth Plant Science
- 5. Stowers
- 6. 5 medical schools
- 7. Research clusters
- 8. Strong industry collaboration
- 9. Research reactor
- 10. Strong clinical research capacity

WEAKNESSES

- 1. Limited state resources
- 2. Limited state support of education
- 3. Poor communication among schools
- 4. Politicized science
- 5. Regional competitiveness (negative)
- 6. Difficulty in engaging industry
- 7. No statewide EPSCoR infrastructure

OPPORTUNITIES

- 1. Feed the World
- 2. High performance computing capacity
- 3. Health outcomes research
- 4. Improve communication
- 5. Super cluster (IA,KS,MO,NE)
- 6. New IP policy for UM System

- 1. Politicized science
- 2. Regional competitiveness (negative)
- 3. Water availability
- 4. Reduced federal funding defense
- 5. National funding priorities

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. Strong TTO at MU (Top 25% AUTM)
- 2. Strong regional expertise in technology evaluation
- 3. Progressive policies at UM for IP
- 4. Good technology pipeline
- 5. Good incubator network
- 6. Strong research parks STL
- 7. 2nd most accelerators/capita in US

WEAKNESSES

- 1. Statewide under staffed
- 2. Weak culture for tech commercial.
- 3. Limited proof of concept funding
- 4. Territorialism
- 5. Commercialization not counted in faculty evaluation
- 6. Poor communication

OPPORTUNITIES

- 1. Untapped industries for partnerships
- 2. Could improve early-stage proof of concept funding
- 3. Could improve state-wide coordination
- 4. Could improve research parks

- 1. Increased competition for research dollars
- 2. Could miss opportunities
- 3. Politicized science

ENTREPRENEURSHIP

STRENGTHS

- 1. Kauffman Foundation
- 2. Good level of programs (education)
- 3. MO Entrepreneurial Law Clinic
- 4. MO SBTDC
- 5. MO Sourcelink
- 6. Team mentoring (MU)
- 7. Bio design (MU)
- 8. Support organizations strong

WEAKNESSES

- 1. No/inconsistent faculty leave policy
- 2. Lack of incentives Angel tax credit
- 3. Regional competiveness
- 4. No SBIR/STTR matching funds
- 5. Lack of SBIR/STTR support programs

OPPORTUNITIES

- 1. Better leverage SourceLink
- 2. Share/expand curricula
- 3. Improved university policies for business formation
- 4. Expand large company investment in startups
- 5. Better leverage student resources
- 6. MO-FAST like program
- 7. Expand opportunities for under represented populations

- 1. Lack of C-level management
- 2. Insufficient workforce
- 3. University culture/competitive disadvantage
- 4. Acceptance of failure

- 1. Improving seed funding
- 2. Increased MO funding start-ups
- 3. Quality support organizations (SEL, KC)
- 4. Incubators/accelerators co-working space

WEAKNESSES

- 1. Lack of pre-seed/PoC, institutional investors, late investment
- 2. Low SBIR/STTR usage
- 3. Angel tax credits
- 4. Untrained start-ups

OPPORTUNITIES

- 1. Expand angel groups
- 2. Leverage available government programs
- 3. Coordinate access to manufacturing/prototyping
- 4. ID new investment fund sources locally
- 5. Investor education to lower risk aversion

- 1. Loss of start-ups; recruited away (perception vs. reality)
- 2. Managing expectations regarding benefits of entrepreneurship

AGGREGATE NORTH DAKOTA

STRENGTHS

- 1. Center for Innovation/Research Technology Park
- 2. Actively streamlining paperwork
- 3. Student Innovation Programs

WEAKNESSES

- 1. Lack of connectivity between programs
- 2. Low faculty incentives
- 3. Lack of CEO's/mentors
- 4. Lack of these activities viewed as scholarly activities
- 5. Lack of critical mass

OPPORTUNITIES

- 1. Access to the state-led R&D programs and tax credits
- 2. New ways to view core: Ag, Energy
- 3. Marketing campuses/state
- 4. TCs and PUIs more partnerships
- 5. Valley Prosperity Partnerships

- 1. Conservative state legislative body
- 2. Lack of champions
- 3. Nature of energy and ag
- 4. Lack of VC and angels
- 5. Turf protectors stifle collaboration

DIRECTED RESEARCH for INNOVATION & COLLABORATION

NORTH DAKOTA

STRENGTHS

- 1. Researchers
- 2. Facilities
- 3. Database/Rolodex of univ/ind liaisons
- 4. Someone to do corporate relations
- 5. Internal knowledge of state players (extension agents)
- 6. Hard working students
- 7. Senior Eng. Design courses that work directly with industry
- 8. Industrial advisory boards within departments
- 9. Actively streamlining industry agreements
- 10. Centers of Excellence

WEAKNESSES

- 1. PT&E process that doesn't recognize industrial work as scholarship
- 2. Lack of faculty incentives
- 3. Limited faculty (high faculty to student ratio)
- 4. Time is "relative"/lack of understanding/priority
- 5. Lack of faculty interest
- 6. Lack of clear conflict of interest policies
- 7. No center point of contact designated by campus with industry
- 8. Limited research faculty positions
- 9. Lack of continuity of funding following federal award
- 10. No industry pitch days
- 11. Competing Centers of Excellence
- 12. Rogue faculty
- 13. Lack of promoting ourselves

OPPORTUNITIES

- 1. Everybody knows everybody
- 2. COE, reach other ND state funded programs to work with industry
- 3. Service Center
- 4. Career Fairs
- 5. Strong Alumni
- 6. Individual Wealth
- 7. Not going after the federal \$s available
- 8. Research and tech partners work with early stage companies
- 9. Industry contracts due to ag, oil, UHS (Industry related state strengths)
- 10. Internet connectivity statewide
- 11. Retirement of baby boomers
- 12. No students with earned graduate degrees/ Lure them back

- 1. Inability to use angel/venture funding
- 2. State legislators lack of support; continue?
- 3. General attitudes toward higher ed: 4 yr campuses, 2 yrs do their job
- 4. Lower tax incentives
- 5. Legislative biennium
- 6. Difficult to transport folks to state
- 7. Limited # of companies regionally
- 8. Limited company innovation
- 9. IP language restricted who owns it
- 10. Export control issues
- 11. Fewer ND students
- 12. End flow of oil and ag
- 13. Outside parties continue to pit the 2 research universities against each other
- 14. Lack of understanding of "cost", "time" to be innovative
- 15. Say anything blog, and other state media
- 16. ND students leave to get their graduate degrees
- 17. Individual wealth
- 18. Legislative body vs. state board of higher education

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. Internal IP attorney (statewide)
- 2. Faculty buy-in (UND)
- 3. Commitment (UND)
- 4. Updated IP policy (statewide)
- 5. More flexibility in upper administration (NDSU)
- 6. Educate students/they educate faculty (UND)
- 7. Flexibility of payment structure, etc. (both)
- 8. Use of EPSCoR \$ to to prototypes (UND)
- 9. Student IP Microfunds (UND) \$2500 each
- 10. SPIN offs
- 11. Detail oriented
- 12. Incubators/accelerators
- 13. Innovative faculty
- 14. Take advantage of what our faculty "STARS" know

WEAKNESSES

- 1. Faculty buy in (NDSU)
- 2. Low disclosures (NDSU)
- 3. Commitment (NDSU)
- 4. No faculty incentives
- 5. Competing relationships (UND EERC)
- 6. Slow turnaround (NDSU)
- 7. Active bad mouthing
- 8. Lack of understanding of invention as scholarly work (both)/limited comm support
- 9. Staffing levels
- 10. Low royalty revenue
- 11. Lack of champions
- 12. Lack of personnel (NDSU)
- 13. Communication (general) regarding IP = lack of understanding (NDSU)
- 14. Siloed startup infrastructure
- 15. Limited connections to business colleges
- 16. Foundation model (NDSU)
- 17. Programs don't align with structures (STAAR)
- 18. New VPRs and staff
- 19. Bonded facilities for specific use
- 20. Lack of auditing don't know what facilities are bonded
- 21. Promoting success stories to appropriate audiences
- 22. Imbalance/nonuniformity across state; including varied support among campuses

OPPORTUNITIES

- 1. Marketing of patent groupings as a whole
- 2. UAS test site
- 3. Energy, ag, coatings
- 4. Research ND and venture grants
- 5. More NDSU/UND collaboration
- 6. ND EPSCoR Track 1/Track 2 promotes this
- 7. Innovation week (NDSU)
- 8. Tech parks
- 9. Master agreements (like MN)
- 10. Tech transfer support for TCs and PUIs

- 1. UAS test site contracting and specifications
- 2. Lack of champions
- 3. Perception of IP
- 4. Fiscal threat: oil dropping, ag dropping
- 5. Legislative conservative nature and lack of understanding
- 6. Lack of consistent policy attacks on higher ed due to mistrust
- 7. Lack of reputation
- 8. Not being able to find right person due to lack of knowledge about industry
- 9. Lack of forward thinking companies in ND
- 10. Outward perception of poor track record
- 11. Neighboring states (MN) outpace us

ENTREPRENEURSHIP

STRENGTHS

- 1. Center for innovation (UND)
- 2. Entrepreneurship Degree (UND)
- 3. Outreach
- 4. Internships (both)
- 5. SBIR/STTR office (UND)
- 6. Student led venture fund
- 7. Innovations Week
- 8. Bison Ventures
- 9. Microfunding grants for students
- 10. STTAR/Operation Intern
- 11. Serial entrepreneurs
- 12. EMPOWERED-ND
- 13. Tech accelerators/incubators
- 14. Extension (Ag & Manufacturing)
- 15. Multidisciplinary internal research programs
- 16. NDSU global challenges
- 17. CEO challenge

WEAKNESSES

- 1. Pockets that are not coordinated or collaborative
- 2. Silos and unwillingness to share contracts
- 3. Conflict of interest and other policies
- 4. Entrepreneurial leave police
- 5. Ent. leave instead of consulting 8 hours/week
- 6. No entrepreneurial law program
- 7. Matching funding
- 8. Aging faculty
- 9. Lack of knowledge of IP
- 10. Lack of/low CEO pool
- Combined tech transfer and startup function (like MN) competing priorities
- 12. Limited collaboration w/each park incubator
- 13. Minors in entrepreneurism
- 14. No release time of faculty like SD
- 15. No proof of concept funding like SD
- 16. Lack of critical mass
- 17. Historically teaching universities
- 18. Geography

OPPORTUNITIES

- 1. Statewide recognition
- 2. IDEA Center
- 3. Entrepreneur in-residence program (ie. School of Mines)
- 4. Emerging pra?- ties to new folks
- 5. Economic downtown for some parts of state
- 6. Religion of entrepreneurism to hold failures up
- 7. Venture research ND, innovate ND
- 8. Tax credits
- 9. Workforce expansion programs at state level
- 10. Step by step support program
- 11. Cross pollination with science, engineering, and business
- 12. Level quality of like and other national advertising

- Lack of VCs, angels, etc.
- 2. Lack of cohesiveness among emerging entrepreneurial groups, esp given state size
- 3. Lack of understanding of term/objectives/goals
- 4. Community is narrowly focused on IT (Arthur Ventures on software)
- 5. Cuts in income tax rates make tax credits (for investors) less appealing
- 6. Lack of support from our own tech park residents
- 7. Economic downtown (for some parts of state)
- 8. Matching funding
- 9. Size of state does not allow for "multiple" failure
- 10. ND nice does waste time
- 11. "Religion" of entrepreneurism (don't hold these folks up)
- 12. Brain drain
- 13. Workforce is not readily available
- 14. More national competition

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. Renew EPSCoR
- 2. Prototyping and manufacturing
- 3. Center for Innovation/Tech Park
- 4. Tri(?) College
- 5. EMPOWERED-ND
- ND Governor's School entrepreneurial track (NDSU) common course
- 7. Best Robotics NDSU Lego Challenge UND
- 8. Monthly meeting with incubator participants to help them out

WEAKNESSES

- 1. Lack of institutional capital
- 2. Risk adverse environment
- 3. Lack of buy-in
- 4. Limited knowledge/experience
- 5. Starting from scratch
- 6. NDSU's "Ag Only" stance
- 7. Support structures even electronic do not exist
- 8. Make it hard for people to succeed
- 9. Linking between functions
- 10. Long term commitment

OPPORTUNITIES

- 1. IDEA Center
- 2. Tax credits
- 3. APUCK/Development fund/New venture capital and Venture grant program
- 4. Return w/h taxes returned
- 5. \$100 and an address start a company
- 6. Low state regulatory barriers
- 7. Access to mentors
- 8. Tribal ties with EPSCoR
- 9. MISU's Certificate program
- 10. TC, PUI, CC collaborations
- 11. EDCA/JDA/SCORE
- 12. Red River Valley research corridor fund
- 13. ICORP
- 14. Rural (federal funding)
- 15. Lake Aggassi
- 16. ND Development Fund
- 17. Quality of life
- 18. Education strong K-12

- 1. Low population
- 2. Programs focus when sales begin (growth stage)
- 3. Some mentorships might be looking out for #1
- 4. Rural (limited funding)
- 5. Risk adverse environment
- 6. Long term legislative commitment
- 7. International student visa laws
- 8. Transient population in west due to oil
- 9. Ties to west (ND industry rep)

AGGREGATE NEBRASKA

STRENGTHS WEAKNESSES Innovation Campus 1. Poor innovation culture **Aksarben Innovation Initiative** Campus vs. system Law clinic No incentive to invent 4. Lack SBIR, STTR, iCorp **UN system support** 5. PKI **Lack faculty entrepreneurs UNeTech** Lack industrial contacts 7. Education vs. research Faculty lack of understanding of IP/process **OPPORTUNITIES THREATS** Lincoln vs. Omaha Accelerators Draw "back" to state "Pageantry" of entrepreneurship **Supportive community leaders Stable of entrepreneurs Incubators & co-working space** "Brain drain" NF TI² funds 5. Lack of tech enterprise 6. Access to C-level suite **Conservative investment community**

DIRECTED RESEARCH for INNOVATION & COLLABORATION

STRENGTHS

- 1. UneTech
- 2. Research programs: Biomechanics PKI-Eppley Institute, Shane Farritor, Pharmacology/Neuro
- 3. Chancellor Gold and Scott Snyder

WEAKNESSES

- 1. Poor innovation culture
- 2. Poor tech sector
- 3. Lack of entrepreneurial talent
- 4. Lack of capital
- 5. Poor communication for university startup
- 6. Campus vs. system directives
- 7. Little overall insight into lab activities

OPPORTUNITIES

- 1. NRI innovation programs
- 2. Philanthropic spirit
- 3. Burgeoning proto-ecosystem
- 4. 2 medical campuses
- 5. Wealthy business
- 6. Co-working space
- 7. Fortune 500
- 8. Access to industry C-suite

- 1. Small population
- 2. Recruiting talent is challenging
- 3. Zero integrated strategy
- 4. Stakeholder competitiveness (counter productive)

- 1. Mature TTO's
- 2. Diversity of funding
- 3. Self-reliance
- 4. Collaborative faculty environment
- 5. Improving research support
- 6. Community support
- 7. Established businesses

WEAKNESSES

- 1. Industrial contacts
- 2. Zero comprehensive policy/strategy
- 3. Pipeline incentive to invent
- 4. Education vs. research
- 5. Limited coverage
- 6. Default commercialization strategy
- 7. Early stage technologies
- 8. Opaque process
- 9. Faculty does not "trust" process/unfair "ownership" policy

OPPORTUNITIES

- 1. NRI support
- 2. Integrated licensing business development cycle
- 3. Economic upswing (kind of)
- 4. Growing industry contacts
- 5. Access to C-Level professionals
- 6. Huge potential in technologies
- 7. Outside incubators (STC)

- 1. Lack of tech business
- 2. Patent laws
- 3. Conservative investment environment
- 4. Regulatory burdens
- 5. Stable of entrepreneurial talent
- 6. Lack of translational funding
- 7. Few SBIR/STTR &/or iCorp

- 1. UN system supportive overall (EIR funding)
- 2. Some entrepreneurial faculty
- 3. VC research buy-in to support activities
- 4. Engagement with start-ups
- 5. Supportive community
- 6. All: Partnership w/incubator & fund
- 7. Scott Scholars required to take entrepreneurship course
- 8. IT Innovation Program
- 9. UNeTech/PKI
- 10. Entrepreneurship classes offered
- 11. Partnership with enterprise (vets, etc.)

WEAKNESSES

- 1. Faculty does not see TT as supportive
- 2. Few SBIR/STTR
- 3. Collaboration difficult
- 4. Lack of knowledge/support to build start-ups
- 5. Still traditional academic; not supported to start-up
- 6. Few faculty entrepreneurs
- 7. No degree programs for entrepreneurship

OPPORTUNITIES

- 1. Training opportunities
- 2. Experienced faculty start-ups
- 3. Off campus workspace available for free/reduced
- 4. State prototype grants
- 5. Invest NE \$
- 6. External partners
- 7. VCs starting to notice us
- 8. Accelerators, Code School
- 9. Enterprise support
- 10. Chancellor Gold support at Medical Center
- 11. Events/networking opportunities

- 1. Available funding
- 2. Competiveness
- 3. Conservative investors
- 4. "Pageantry" of entrepreneurship
- 5. Perception of state; "Fly-Over"
- 6. Lack of est. ecosystem
- 7. Mentors
- 8. "Philanthropic" investing
- 9. No clear pathway

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. NRI
- 2. NBDC
- 3. Business plan competitions
- 4. UNL entrepreneurial law clinic
- 5. Innovation Campus facilities
- 6. Research cores STC
- 7. Student business organizations
- 8. Entrepreneur centers
- 9. Maverick Innovations

WEAKNESSES

- 1. Specialized facilities are limited
- 2. "Where to go?" no clear path
- 3. Each campus wants own identity and resources

OPPORTUNITIES

- 1. Invest Nebraska
- 2. Wealthy individuals
- 3. Historic business success stories
- 4. Co-working and incubator space
- 5. Quality of life, low cost
- 6. Accelerators, All, etc.
- 7. Business mentors
- 8. Enterprise partners
- 9. Supportive environment
- 10. NE talent & Innovation Initiative

- 1. Taxes not considered business friendly
- 2. Business "Center" is in one city
- 3. Brain drain
- 4. Disconnects within state; Omaha vs. Lincoln vs. rest of state
- 5. Access to outside capital & knowledge
- 6. Angel investors risk averse
- 7. Large companies leaving

AGGREGATE SOUTH DAKOTA

STRENGTHS

- 1. Business climate
- 2. Proof of Concept funding
- 3. EIR-SDIP
- 4. Decision makers one call away
- 5. Quality of living
- 6. Pro-growth leadership @ colleges and universities
- 7. Dakota Seeds

WEAKNESSES

- 1. Lack of critical mass
- 2. Workforce shortage
- 3. Limited research activity
- 4. Limited capital debt, equity, public
- 5. Culture/history
- 6. Tax contract research
- 7. Lack of experienced growth management teams

OPPORTUNITIES

- 1. Concentrate on second-tier industry partners
- 2. Leverage Sanford investments: SURF, healthcare
- 3. "Launch SD"
- 4. Develop equity fund
- 5. Better integration of disparate university strengths
- 6. Develop corporate "pull" with RFPs to solve problems

- 1. K-12 education weakness
- 2. Brain Drain professors, young leave
- 3. Increasing competition for external \$
- 4. Lack of interest/availability from larger venture
- 5. Regulatory change
- 6. International visa restrictions

- 1. Flat state structure
- 2. Flexibility in contractual relationships
- 3. Sanford Avera
- 4. CNAMM Amptech & Ag Research
- 5. Strong Ag Research at ATSDSU
- 6. Strong Engineering SDSM&T
- 7. USD?
- 8. SDSU Research Park
- Dakota State: Software?

WEAKNESSES

- 1. Lack of large companies located in the state
- 2. Lack of state matching funding
- 3. Small population & research depth
- 4. Large geographical separation between schools
- 5. Culture or history of research
- 6. No major industry centers of strength
- 7. No facilities to attract industry parterships

OPPORTUNITIES

- 1. To "Money Ball" 2nd tier industry partners
- 2. Connections made because of workforce strengths
- 3. SURF
- 4. Financial industry
- 5. Pro-growth leadership
- 6. Quality graduates
- 7. Quality of life
- 8. Financial: Big Data & Security

- 1. Continued irrelevance
- 2. Hiring & retention of quality workforce
- 3. Change in regulation in the financial industry
- 4. Lack of support from key stakeholders (weakness)
- 5. Other states are more supportive greater resources
- 6. Sales tax/taxing research (weakness)

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. POC funds
- 2. Angel and seed funding
- 3. SDIP
- 4. EiR @ Mines
- 5. Areas of applied research and market engagement
- 6. Deal oriented
- 7. Business environment

WEAKNESSES

- 1. Areas of market disengagement
- 2. Lack of companies, resources, people for deal flow
- 3. #s of researchers, disclosures, etc.
- 4. Young tech transfer culture
- 5. VC high \$ for early stage
- 6. Lack of smart \$
- 7. Decreasing numbers of management
- 8. Lack of long-term view

OPPORTUNITIES

- 1. Build upon programs with sources in one sector of the state (EiR)
- 2. Lure the crazies out of the hills
- 3. Collaboration between the schools within the state
- 4. Virtual meetings can bring groups together from far away
- 5. Engaging industry in research
- 6. Chance to create an evergreen fund

- 1. Decreasing research \$
- 2. Stability of tech transfer system and researchers
- 3. Upper levels of management could turnover presidents, governor, local mayors
- 4. Unrealistic expectations of shareholders
- 5. Government regulations
- 6. Snakes

ENTREPRENEURSHIP

STRENGTHS

- 1. EIR & SDIP
- 2. Minors in entrepreneurship
- 3. 20% time for entrepreneurship/consulting
- 4. HR flexibility
- 5. Univ. & state business plan competitions
- 6. Research parks/Accelerators
- 7. Dakota Seeds
- 8. POC
- 9. Building entrepreneurial culture

WEAKNESSES

- 1. Lack entire critical mass
- 2. No entrepreneurship majors
- 3. Historically teaching university
- 4. No university based entrepreneurship funding programs
- 5. Lack of support for service-based entrepreneurship
- 6. Geography

OPPORTUNITIES

- 1. Grow EIR at SDSU & USD
- 2. Build a step by step entrepreneurial program
- 3. Build cross-pollination between engineering/science and business schools
- 4. Tech MBA program and entrepreneurial programs at law school
- 5. Leverage and promote business climate
- 6. SBIR matching program

- 1. Brain drain
- 2. Attraction of VC money elsewhere
- 3. External workforce
- 4. Isolation/flyover
- 5. More external competition for SBIR and entrepreneurship funding

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS

- 1. Business climate
- Dakota Seeds
- 3. EIR-SDIP
- 4. Proof of Concept
- 5. Business incubators
- 6. Integrated support program
- 7. Angel funds
- 8. Tech ed- scholarships funds

WEAKNESSES

- 1. Limited workforce
- 2. Lack of management teams
- 3. Infrastructure limitations
- 4. Air transportation limitations
- 5. Lack of confidence
- 6. Culture opposed to change
- 7. Limited capital equity, debt

OPPORTUNITIES

- 1. Dakota Innovations Matching State Funds
- 2. RC Tech Park
- 3. Workforce training
- 4. Launch SD

- 1. Competition other states
- 2. Recession / competing needs
- 3. K-12 education weakness
- 4. Turnover key people leaving
- 5. Regulatory change Fed.

AGGREGATE TENNESSEE

STRENGTHS

- 1. Quality research institutions and people
- 2. State entrepreneurial network
- 3. State technology transfer network and professionalism
- 4. Growing and diversifying investor network
- 5. Supportive culture

WEAKNESSES

- 1. Relatively small amount of venture capital
- 2. No formal entrepreneurship in residence programs
- 3. Dependence of federal funding
- 4. Risk averse culture
- 5. Commercial success is not part of incentive structure for researchers

OPPORTUNITIES

- 1. Identifying baseline funding for key UDO's and ESO's
- 2. Better utilize networks to advocate for commercialization business development and entrepreneurship
- 3. Tell the story culture, people, low cost of living, business friendly

- 1. Shrinking federal budget
- 2. Companies chasing investment
- 3. Long term support for long term development
- 4. Lack of long term plan

DIRECTED RESEARCH for COLLABORATION &

STRENGTHS

- 1. Growing federal funding base
- 2. Quality research intuitions and people (diverse areas)
- 3. Building strong collaboration
- 4. Unique facilities

WEAKNESSES

- 1. Low state/private sector funding
- 2. Distance between resources (long state) Three great states of TN
- 3. Technologies are early stage not many programs to develop/mature them
- 4. Conservative thinking/resistance to change
- 5. Researchers experiences with commercialization and start-ups

OPPORTUNITIES

- 1. R&D partnerships with growing industries within TN and outside the state
- Increased federal focus on translational research and commercialization (ICORPS/IMI/PFI)
- 3. Diversity creates opportunities for new research collaboration

- 1. Competition with other states for industry
- 2. Reduced federal budget
- 3. Competitive states (ie- Texas-\$180 million, OK, UT)

- 1. Growing prof. staff across the state
- 2. Large amount of technologies to work with
- 3. Maturation programs in place to advance technologies
- 4. Large number of commercialization support organizations

WEAKNESSES

- 1. SBIRs
- 2. Lack of falderal commercialization funding
- 3. Low maturation funding levels
- 4. Cumbersome/bureaucratic commercialization process
- 5. Dearth of industry sponsored research
- 6. Too little focus on development
- 7. Tech commercialization is not part of faculty tenure/promotions

OPPORTUNITIES

- 1. Take advantage of Federal Maturation Funding initiatives
- 2. Communicate existing processes & initiatives
- 3. Research park development to pull industry to state
- 4. Develop industry relationships to create technology pull
- 5. Network of accelerators across the state linked by state initiative/support

- 1. No clear understanding of what Tech. Commercialization is or what it takes
- 2. Lack of using incubators the way they need to be used no programs
- 3. Outside perception of Tennessee
- 4. Short-term thinking of leaders
- 5. Federal budget cuts may impact funding for Tech Com. programs

ENTREPRENEURSHIP

STRENGTHS

- 1. Growing entrepreneurship education programs in state
- 2. Strong entrepreneurial network across the state
- 3. Generally collaborative nature/friendly
- 4. Growing investor network
- 5. Strong base of experienced entrepreneurial talent
- 6. Some track record of success....Nashville
- 7. Active industry clusters who support entrepreneurship

WEAKNESSES

- 1. Pockets of risk averse culture
- 2. Lack of networks in certain industries
- Competitive landscape for support organizationssignificant overlap/duplicate effort
- 4. Not tapping into available experienced entrepreneurial talent
- 5. Lack of early stage capital, esp. to mature tech based companies
- 6. Few base-line funding for Entre Support Organizations

OPPORTUNITIES

- 1. Growing positive perception of Tennessee
- 2. Tennessee is business start up friendly
- 3. Low cost of living, growing economy, friendly/helpful culture
- 4. Technology rich state
- 5. Growing collaborative nature for the Entrep. Support Org.

- 1. Apathy due to Federal/other success
- 2. Disparity between economic development and wealth creation
- 3. Under educated population
- 4. Regional competition of start ups
- 5. Too narrow view of entrepreneurship (short-term)
- 6. Lack of leg. Understanding of entrepreneurship and potential impact

- 1. Growth of Regional Funding Network
- 2. Broadening interest from outside investor in certain clusters
- 3. Business friendly culture easy to start a new business
- 4. Launch TN

WEAKNESSES

- 1. Lack of venture development support/organizations
- 2. No tax credits/incentives for startups/tech-based companies
- 3. Weak cluster development strategy
- 4. Lab space for life science/biotech businesses
- 5. We don't tell our story well

OPPORTUNITIES

- 1. Create networks to better communicate success/opportunity
- 2. Federal program leverage (IACMI/Jumpstart/DRIVE)
- 3. Create a TN-Investco like investment deal

- 1. May become over focused on Clusters-may miss opportunities
- 2. We don't tell our story/share success well
- 3. Leaving to chase investment

AGGREGATE WYOMING

STRENGTHS

- 1. Incubator and tech transfer in house
- 2. UW highly significant state player
- 3. Science + Energy initiatives
- 4. 60% royalty sharing

WEAKNESSES

- Unhealthy focus on football/basketball+ extractive energy
- 2. Small faculty pool
- 3. No business/entrepreneurship culture
- 4. 60% of zero = 0

OPPORTUNITIES

- 1. High legislative investment
- 2. Positive reputation of UW
- 3. Alumni

- 1. Geographic isolation and intensively rural
- 2. No industrial base
- Extremely conservative government + UW in bad odor

DIRECTED RESEARCH for COLLABORATION &

STRENGTHS

- 1. Low interdisciplinary barriers
- 2. Easy to identify faculty
- 3. Ability to negotiate research agreements
- 4. Open to change
- 5. State investment in energy research
- 6. Science and energy initiatives
- 7. One 4 year university (Weakness also)
- 8. Cooperation w/UW Foundation
- 9. Alumni connections w/industry
- 10. Cowboy work ethic
- 11. Wyoming loyalty of students

WEAKNESSES

- 1. Focus on athletics and energy
- 2. Small faculty pool
- 3. Administration in flux
- 4. Small town
- 5. Lack of excellence in particular fields
- 6. Lack of population diversity
- 7. Lack of local extractive industry
- 8. Non-central location
- 9. No experience collaboration w/non-energy companies
- 10. Lack of access to diverse industry
- 11. Lack of T&O valuation
- 12. Most students work hours

OPPORTUNITIES

- 1. Prior legislative investment
- 2. Reputation of UW in state
- 3. Coordination w/community colleges
- 4. Outreach mechanisms
- 5. Strong energy industry
- 6. Hathaway Scholarships
- 7. Outdoor lifestyle

- 1. No industry beyond energy extraction
- 2. No high value add industry
- 3. No urban areas
- 4. No company w/500+ employees
- 5. Transportation isolation
- 6. Energy sector in decline
- 7. Extremely fiscally conservative government
- 8. State expectation of high proportion of matching funding
- 9. Tuition capped by mandate

TECHNOLOGY COMMERCIALIZATION

STRENGTHS

- 1. Incubator in house
- 2. Tech transfer in the house
- 3. High quality IP
- 4. 60% royal sharing
- 5. Focus on start-ups
- 6. Visible add to local workforce
- 7. Favorable licensing terms
- 8. Potential for education

WEAKNESSES

- 1. No cultural incentives
- 2. Low quality IP
- 3. Tech transfer new to UW
- 4. 60% of zero = 0
- 5. 1 person TT office
- 6. No entrepreneur base
- 7. Myth of difficulty
- 8. Perception of UW as a business
- 9. Faculty recruitment/retention

OPPORTUNITIES

- 1. Alumni base
- 2. NSF incentives for patent
- 3. Energy industry declining so need to diversify

- 1. Lack of industrial base
- 2. Geography
- 3. Most markets external to state
- 4. Suspicion of TT efforts
- 5. Energy industry declining: leads to lowering resources
- 6. Resistance to change

ENTREPRENEURSHIP

STRENGTHS

- 1. Per capita participation high
- 2. Strong student interest (esp. graduate)
- 3. Incubator
- 4. Private donor support
- 5. Impact potential
- 6. Early development pipeline

WEAKNESSES

- 1. Lack of E-Culture
- 2. Fear factor
- 3. Lack of examples

OPPORTUNITIES

- 1. Incubators
- 2. Impact potential

- 1. Lack of E-Pool
- 2. Boom + Bust (opportunity also)
- 3. Energy Economy (opportunity also)
- 4. Lack of diverse people and ideas
- 6. No investor base
- 6. No infrastructure (i.e.. Attorneys)

NEW VENTURES & BUSINESS DEVELOPMENT

STRENGTHS		W	WEAKNESSES	
 Incubato Tech trai 30K Com 	nsfer	1. 2. 3. 4.	History Culture Size Inertia	
OPPORTUNITIES		ТН	THREATS	
 Need for Incubate Impact p 		1. 2. 3.	Lack of diverse people and ideas Lack of venture capital Lack of physical infrastructure	