

The Foundation

Faculty Scholarship

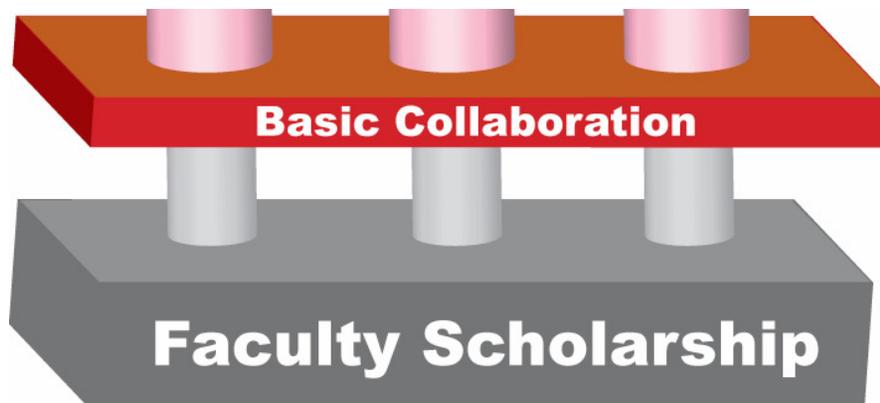
- High quality
- Good productivity
- Recognized externally

Collaborations

- Co-supervise students
- Co-author papers
- Co-author grants

External Needs

- None – don't ask for anything beyond normal cost sharing on grants



The Foundation - Process

- Need to be good listeners and adaptive - may need to work across disciplines and redefine the theme many times
- Get a translator!
- Stay small and focused – define the core and get something done before expanding the core – NO SHOTGUN MARRIAGES

Growing the Team

Research

- MURI, NIRT, BRP...

Education

- IGERT, T32, GAANN

Facilities

- NSF, Murdock, Keck, NIH

Outreach & Diversity

- Work with CoE programs
- RET, REU, MROP



External Needs

- Dean and Provost partner with Depts for matching and space when needed

Growing the Team - Process

- Get outside help! A new theme shouldn't be beaten up in public
- Reach out to many constituencies, but don't increase the core group significantly
- Leverage active outreach and diversity programs – don't reinvent the wheel
- Work with senior administration on resources – a targeted faculty hire may be appropriate

Initiative with National Impact



External Needs

- Dept, CoE, and Provost can help with externals
- Link hiring plans with campus strategic plans

Internal team

- Strengths/Weaknesses
- Hiring plan (w/depts)
- **Unselfish leadership**

External field

- Workshops, symposia, professional orgs
- Set national stage
- Federal agency support

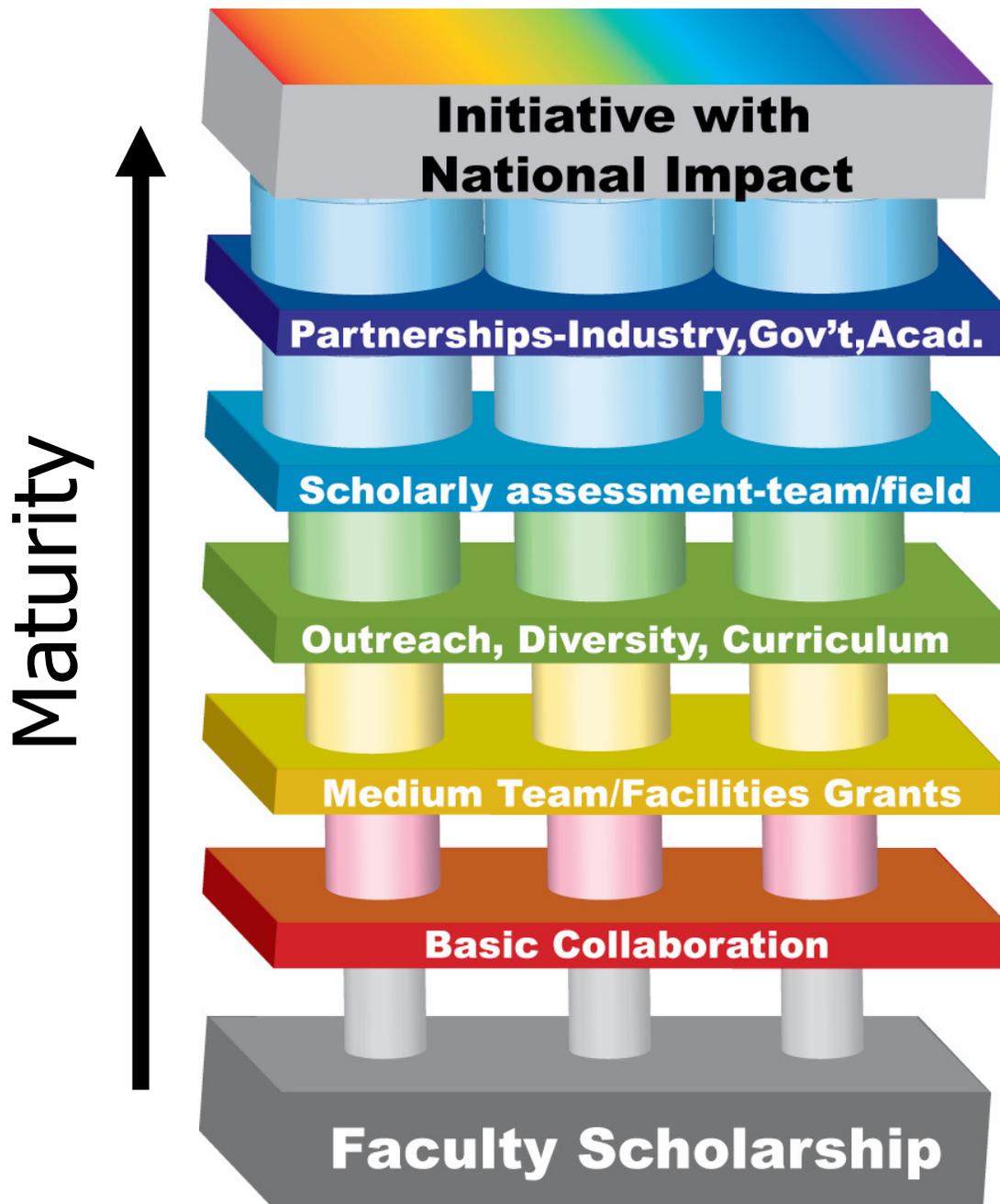
Finalizing the Initiative

- Core group well defined with demonstrated working relationships
- Ready for national competition – e.g. ERC/STC
- Research, education, outreach & diversity programs are well integrated
- Senior administration is queued up – resources are well defined and integrated with strategic plans and hiring needs of departments

Research & Education Initiatives

An Example: Molecular Engineering

- Leverages Nationally recognized UW scholarship (embodied in CMDITR, GEMSEC, UWEB, CNT)
- Strong advocacy in A&S - complements CoE
- Linked to national curricular discussion - ChemE
- 70% of top UW technologies (\$) are molecules
- Attacks CoE need for more chem/bio lab facilities
- Working group now established



Partnerships cement the external impact

Research Impact

- Partners ensure broadest dissemination
- Translational activities

Knowledge Impact

- Regulatory agencies and Mission-oriented labs
- Define schools of thought

Community Impact

- Export outreach and diversity programs

CoE can help as a match maker

Final Thoughts

- For impact, many disciplines are usually needed
- Get a translator early
- Engage administration early – not with resource requests, but with a plan showing how the dept, CoE, and Provost can help you move ahead
- Don't forget education, outreach and diversity – they can turn out to have the most impact!