

The EUV ERC Sustainability Plan

Timeline

Year 5 – Executive Committee sets goals and begins defining and implementing strategies.

Year 6 – Plan published in the Annual Report

Year 7 – Expanded plan lists both goals and itemized lists of sources of support – Stakeholder engagement increases

Year 8 – Implementation of strategies to fund E&O and Industry Program

Year 9 – Sustainability Summit with the IAB

Year 10 – Continued transition to Sustainability Plan funding strategies

Plan Details

Goals

- Continue the growth of the multi-institutional cooperation in research
- Continue a strong E&O program through a combination of Center support and self funding
- Continue a strong Industry program that transitions to self funding

Plan Details

Sources of Support

- Federal Research Grants and Contracts
- Cash Support from Industry and Industry Collaborations
- E&O Grants and Partnerships with Established Programs at Core Institutions
- Core University Support
- Support from State Government

Plan Details

Sources of Support

- The Center's strategy has always been to negotiate sustained income (both during the cooperative agreement period and beyond graduation) from these sources
- The success of the early implementation of this strategy is measured by the decline of NSF ERC grant awards as a percentage of the total sources of support while maintaining total funding levels.

Plan Details

Federal Research Grants

20 Year history

DOE, ARO, ONR, DOD, NIH, HSF

Industry

Unrestricted Cash – healthy trend in recent years

Collaboration – Industry commitment to EUV

E&O

Grant writing support

Multi-year grants already in place

Plan Details

Institutional Support

- Commitments extend beyond graduation (2014-2019)
- Cost Share
- College of Engineering support of students
- College of Engineering allowance for faculty release time
- VPR budget and business development support
- Construction of new facilities



Plan Details

State Support

- State of Colorado has been making an annual award to the Center since 2008
- The award amount has been doubled through 2014
- This award required significant support from university administrators in lobbying for the funding
- It is significant to note that, while other higher education funding was cut in 2009-2012, state funding for the Center remained untouched.

Plan Details: Industry Program

- SWOT - This year's SWOT Analysis focused heavily on sustainability
- Support of Fellowships – the IAB approved the Center's proposal that, as long as industry fees paid for the expenses of the industry program, remaining funds would be used for graduate fellowships (right now, that is 2-3 fellowships a year)

Plan Details: Budget

Reduction in NSF Reporting Requirements

- AD becomes a part-time position

- Shared with the College for financial management

E&O

- Transition to self-supporting through grants

- Current budget provides funding through 2014

- Opportunities to partner with other E&O programs at core institutions.

Industry Program

- Already self supporting through industry fees

- Reserves in place to fully fund through 2015

- Opportunities to partner with similar functions at host university

Plan Details: Industry Program

- Membership structure will continue to require cash commitment for membership.
- Increased ILO responsibility for pursuing collaborative grants.
- Continued heavy emphasis on PI/Industry communications and relationship building
- Continued heavy emphasis on placing graduates in industry.

Identifying Stakeholders and Potential Sources of Support

Universities

- Faculty positions
- Facilities
- Cost Share
- Cash
- Collaboration with other campus programs
- Royalties and licensing fees

Funding Entities

- Research funding organizations
- E&O grant and partnership organizations

Identifying Stakeholders and Potential Sources of Support

State and Local Government

Don't forget the NSF

- Plan review and advice (annual reports and site visits)
- Future funding opportunities

Industry

- Projects in collaboration
- IAB membership
- Individual companies
 - University relations
 - Special purpose affiliations
- Industry groups
- Innovation ecosystem
 - Small business development
 - Startup support

Recommendations

- Start early
- Begin transition early
- Negotiate commitments past year 10
- Identify and engage stakeholders – and continue to engage stakeholders
- The IAB makes up a key stakeholder group.
- Plan your post graduation budget based on your goals and strategies (especially in terms of the E&O and Industry programs)