Inaugural Meeting  
September 20, 2005

Agenda

- Eat Cake
- Governance/Administration
  - What should the CWS emphasize?
    - Relationship to ongoing work at MTU
    - Interdisciplinary approach
    - Other “Water Centers” in Michigan
    - Geographic focus: local and international
    - Seminars
    - Degree programs
    - Extension
    - Partnerships
    - Funding
  - Short term actions

Governance/Administration

- Produce a governance document
- Affiliate new proposals and ongoing projects with CWS
- Offer undergraduate and graduate students student membership
  - Form advisory committee
- Confirm/select director
- Form local and general external advisory boards

CWS and MTU

Water-Related Work at MTU
- Faculty
- Staff
- Students
- Laboratories
- Equipment
- Funding

Water use at MTU

Research

GK-12 education

Undergraduate & graduate education

Extension
Interdisciplinary approach

Ok, that schematic may be cute, but how do we make interdisciplinary work happen at Michigan Tech? It already is!

“Water Centers” in Michigan/Lake Superior

Why is a geographic focus important?

• Would a geographic focus give the center an identity?
• In our ongoing efforts and programs, do we already have geographical foci?
• Does it make sense to consider more than one focus area, i.e. “local” and “international” foci?
• Geographical foci would not diminish the importance of work done outside the foci.

“Local” + international geographic foci

• What local geographic areas do we already operate in?
• What “local” geographic areas can we carve out for CWS?
  – Lake Superior + Upper Peninsula?
• What international geographic areas do we already operate in?
• What international geographic areas can we carve out for ourselves?
  – Mexico, Caribbean & Central America?
Seminars

- Funding available from REF grant
- Establish new series
- Hitch onto existing departmental or center/institute series
- Sponsor targeted symposia or workshops

Degree programs

<table>
<thead>
<tr>
<th>BS</th>
<th>Engineering</th>
<th>Experimental watershed</th>
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<tbody>
<tr>
<td>MS</td>
<td>Natural Sciences</td>
<td>&quot;water-enhance&quot;</td>
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<td>MS</td>
<td>Social Sciences</td>
<td>existing degree programs</td>
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<tr>
<td>MS</td>
<td>Education</td>
<td>new minors</td>
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<tr>
<td>PhD</td>
<td>Business/Economics</td>
<td>new certificates</td>
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</tbody>
</table>

Extension

- What is extension?
  - Faculty and staff working for governments, NGOs, ...
  - Modeled after agricultural extension services
- Why extension?
  - Impact
  - State of Michigan would like this
  - Are we already doing this?
- Distance learning
- To get there, primary need is staff and funding for the staff.

Partnerships

- Why partnerships?
  - Extend reach of center
  - Team with institutions with complementary expertise and capabilities
- Potential partners
  - Sea Grant
  - CILER
  - Other universities...
  - Other government agencies...
  - NGOs...
Funding Sources

- Now: REF
- Soon: Overhead return
  - $100,000 expenditure generates $11,592 @ 56% F&A*
  - $100,000 expenditure generates $5,175 @ 25% F&A*
- Future:
  - Overhead return
  - State of Michigan?
  - Wege and other foundations?
  - NSF?

* facilities and administrative cost rate

Spending CWS funds – REF Budget

<table>
<thead>
<tr>
<th>Salary and fringe</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Release time for director</td>
<td>$13,395</td>
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<tr>
<td>Administrative assistant</td>
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<td>Web developer</td>
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<td>Graphic designer</td>
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<td>Travel</td>
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<td>Supplies</td>
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<td>Total</td>
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Priorities for spending CWS funds from overhead return*

- Sponsor seminars and/or symposia and workshops.
- Sponsor internal research support for grad students.
- Provide cost-share in proposals for equipment that might benefit the larger MTU water community.

*once it starts flowing!

Short-term actions

- Develop web site
  - Clearinghouse for water-related efforts at MTU
- Institute seminar series
  - Symposium: The role of water in Michigan’s economy
- Establish geographic identity
  - local
  - international
- Pursue partnerships
  - Sea Grant
  - CILER
- Investigate longer-term funding and set internal funding priorities
- Look into new or modified degree programs
- Explore extension ideas