Working Models for Participation with CMI

Julienne Krennrich & Stacy Joiner
The Mission of CMI

To assure supply chains of materials critical to clean energy technologies,

enabling innovation in US manufacturing, and

enhancing US energy security.
A three-pillared research strategy

Find ways to:

• diversify our sources;

• provide alternatives to the existing materials;

• make better use of the existing supplies through recycling and re-use.

Some of these approaches work better than others for specific materials.
CMI’s R&D / Project Selection Paradigm

Materials or processes that promise the right properties

Materials or processes that can be made or can work

Materials or processes that industry is willing to consider

Research worth pursuing

No-Go decisions: *The great accelerators.*
## Membership Modes

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<tr>
<th></th>
<th>Team Member</th>
<th>Affiliate</th>
<th>Associate</th>
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<tbody>
<tr>
<td>Funding commitment</td>
<td>Cash or in-kind contribution to CMI project(s)</td>
<td>Membership fee</td>
<td>SPP/CRADA with a Team Member = cash contribution to proprietary project</td>
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<tr>
<td>Intellectual Property</td>
<td>✔️</td>
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<td>Input to CMI research program</td>
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<td>Listed on CMI website</td>
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<td>Annual Meetings</td>
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<td>Newsletter/Webinars</td>
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* By request
Metrics Since Inception

- Refereed publications: 235
- Invention disclosures: 94
- Patent applications: 50
- Patents awarded: 6
- Technologies licensed: 7
Strategic Involvement

• CMI works best with industry partners who have interests, capabilities that compliment CMI.

• CMI and its partners share a joint mission to positively assure US supply chains for US energy and industrial security.

• If we do that, CMI achieves its mission and supports its partners in delivering growth and value in the market

• We do more than just rare earths – CMI
  – Additional materials: Li, Co, Mn, Ga, In, Te, Platinum group metals, V, Graphite
  – Cross-cutting technologies like combinatorial chemistry, modeling properties of magnets, machine learning, artificial intelligence, roadmaps for technology development and deployment
Thank You!

Questions?

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