INFUSE Update – December 2021

Dennis Youchison & Ahmed Diallo
What’s changing?

• Expansion of INFUSE – All 17 DOE national laboratories and accredited universities
  – “Laboratory” now replaced by “institute” = DOE national lab or U.S. accredited university
• Cycle Schedule now includes university pilot program (see Daniel Clark on FOA process)
• New RFA Call Document
• Changes in Sharepoint submission form
• Intellectual Property Management Plan (universities only)
• Next RFA Submission Period – Jan. 3 – Feb. 11, 2022
Opportunity Announcement now in one document


• One stop 6-page document for program description
• Contains requirements and definitions
• Consistent format posted on website
• Down-loadable with working hyperlinks
• Updated for each new call (cycle)

Highlights

• RFA process originates with private U.S. company.
• National lab PI (sr.) must commit 25% of lab labor to the project.
• No more than 25% of any institute share can be subcontracted.
• Only accredited U.S. universities already qualified for gov’t aid.
• Universities must use existing staff to complete project.
• INFUSE cannot support graduate students or tuition remission.
• No competition with private sector providers or design work.
• Intellectual Property Management Plan required with universities.
• National Lab cannot be subcontractor to university.

*credit to Daniel Clark and John Mandrekas of FES for crafting the announcement and vetting it through DOE SC
INFUSE Schedule

- Submission, review & selection process are identical for DOE labs and universities in INFUSE
- Funding process is different for universities and DOE labs. FES manages university FOA; INFUSE manages lab CRADAs

FY2022
- Submit Jan
- Review Jun
- Submit Jun
- Review Dec

• Selection
• Press release
### RFA Form Changes (con’t)

#### Cost Share Estimate
*See supporting document for additional information before answering questions*

- **Cost Share Agreement:**
  - Yes, applicant agrees to provide a minimum of 20% cost share

- **Upload Budget Estimate:**
  - Click here to attach a file
  - Excel format required

#### Intellectual Property Management Plan (Universities Only)
*See supporting document for additional information before uploading IPMP*

- **Upload IPMP:**
  - Click here to attach a file

#### Public Institution Preference

Please identify the preferred national laboratory or university from the pull-down list and point of contact for your proposal. If you are working with a university, select university and type the name in the provided field. These are mandatory fields.

- **Public Institution:** AMES
- **Specific Resource:**
  - Example: Spallation Neutron Source
- **Institution Point of Contact:**
  - Name
  - Email Address
- **Is the involvement of intellectual property anticipated?**
  - No

#### Additional Contact Information

If there are additional Co-PI/UICs/Advisors/Co-authors to identify, please do so below.
### RFA Form Changes (con’t)

#### Cost Share Estimate

**See supporting document for additional information before answering questions**

<table>
<thead>
<tr>
<th>Cost Share Agreement:</th>
<th>Yes, applicant agrees to provide a minimum of 20% cost share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upload Budget Estimate:</td>
<td>![Click here to attach a file](EXCEL FORMAT REQUIRED)</td>
</tr>
<tr>
<td><strong>Intellectual Property Management Plan (Universities Only)</strong></td>
<td><strong>See supporting document for additional information before uploading IPMP</strong></td>
</tr>
<tr>
<td>Upload IPMP:</td>
<td>![Click here to attach a file](EXCEL FORMAT REQUIRED)</td>
</tr>
</tbody>
</table>

#### Public Institution Preference

Please identify the preferred national laboratory or university from the pull-down list and point of contact for your proposal. If you are working with a university, select university and type the name in the provided field. These are mandatory fields.

<table>
<thead>
<tr>
<th>Public Institution</th>
<th>Ames</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Resource:</td>
<td><img src="reactors" alt="e.g., Spallation Neutron Source" /></td>
</tr>
</tbody>
</table>

#### Additional Contact Information

If there are additional contacts or institutions you wish to identify, please do so below.

| Institution Point of Contact | ![e.g., Spallation Neutron Source]( reactors ) |
| Institution Point of Contact Email Address: | ![e.g., spallation@source.com]( reactors ) |
| Is the involvement of intellectual property anticipated? | No |
DOE National Labs
DOE Site Offices – CRADA approvals

**SC**
- Ames Site Office (AMSO)
- Argonne Site Office (ASO)
- Bay Area Site Office (BASO) at LBNL
- Brookhaven Site Office (BHSO)
- Fermi Site Office (FSO)
- Oak Ridge National Laboratory Site Office (OSO)
- Pacific Northwest Site Office (PNSO)
- Princeton Site Office (PSO)
- Bay Area Site Office (BASO) at SLAC
- Thomas Jefferson Site Office (TJSO)

**NNSA**
- NNSA HQ – Albuquerque
  Field Offices – LANL, LLNL, SNL
  Site/Operations Office – SRS/SRNL

**Energy**
- Golden Field Office - NREL
  Idaho Operations Office – INL
  Multiple Field Offices - NETL

*DOE Sites and Plants are not national labs

**Number of INFUSE POCs will remain at 10**
INFUSE will work directly with PIs and SPP officials at the other 7 labs as needed
## Budget Worksheet Example

*Only a spreadsheet is acceptable for upload*

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Item</td>
<td>Institute ($)</td>
<td>Company costshare ($)</td>
</tr>
<tr>
<td>2</td>
<td>Personnel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>individual 1</td>
<td>$141,000.00</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>individual 2</td>
<td>$36,000.00</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>individual 3</td>
<td>$31,000.00</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>individual 4</td>
<td>$14,250.00</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>technician/support</td>
<td>$19,000.00</td>
<td>$14,000.00</td>
</tr>
<tr>
<td>8</td>
<td>Equipment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>item 1</td>
<td>$1,200.00</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>item 2</td>
<td>$3,200.00</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Materials and Supplies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>item 1</td>
<td>$500.00</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>item 2</td>
<td>$1,300.00</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Travel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>trip 1</td>
<td>$1,600.00</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>trip 2</td>
<td>$1,800.00</td>
<td>$1,800.00</td>
</tr>
<tr>
<td>17</td>
<td>Subawards/Subcontracts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>University of XYZ contract</td>
<td>$50,000.00</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Company ABC</td>
<td>$4,500.00</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Subtotal</td>
<td>$182,250.00</td>
<td>$138,900.00</td>
</tr>
<tr>
<td>22</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Budget Example (con’t)

<table>
<thead>
<tr>
<th>Subcontractors</th>
<th>University ($)</th>
<th>company ABC ($)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>individual 1</td>
<td>$30,000.00</td>
<td></td>
<td>labor hrs or fte - fully loaded costs per individual</td>
</tr>
<tr>
<td>individual 2</td>
<td>$18,400.00</td>
<td></td>
<td>.05 fte (95 hrs) of professor support for theory</td>
</tr>
<tr>
<td>individual 3</td>
<td>$2,400.00</td>
<td></td>
<td>1 fte (270 hrs) of student support for calculations</td>
</tr>
<tr>
<td>Equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>item 1</td>
<td></td>
<td>$2,000.00</td>
<td>equipment usage fee</td>
</tr>
<tr>
<td>Materials and Supplies</td>
<td></td>
<td></td>
<td>list major expendable item costs</td>
</tr>
<tr>
<td>item 1</td>
<td></td>
<td>$100.00</td>
<td>sample holders</td>
</tr>
<tr>
<td>item 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>trip 1</td>
<td>$1,600.00</td>
<td></td>
<td>institute visit</td>
</tr>
<tr>
<td>trip 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td>$50,000.00</td>
<td>$4,500.00</td>
<td>other costs or fees</td>
</tr>
</tbody>
</table>
Record – of – Discussion

- Involve all senior members identified in the SOW
- Show agreement by all senior members including subcontractors
- Include agreement of schedule and disposition of equipment
- Include signatures of both PIs (required) indicating management support
- Institute PI’s manager signature required if using specific facility
Next RFA Call

- Opens 1st week of January – week of January 03, 2022
- Same 5 topical areas
- Limit of 5 RFAs per company
- Please consider previous reviews if resubmitting an RFA

- 2nd call 2021 INFUSE awardees publicly posted yesterday.
  [Link](https://www.energy.gov/science/articles/department-energy-announces-second-round-fy-2021-public-private-partnership-awards)

- Universities: please add contact info to INFUSE database at:
  [Link](https://docs.google.com/spreadsheets/d/18sO7uXqs_jO2ySYc3QtZ7I8ypWj025KFHawlLY2X5Co/edit?usp=sharing)
Next Workshop (~Dec. 2022)

- University capabilities session – please let us know your interest!
- Lab capabilities session for the 7 national labs just added
- Any new developments in fusion public-private partnerships
- Reports on completed 2020 and 2021 INFUSE projects
- Private company research needs - networking
Feedback

Need for improvement

– Notifications and press releases
– CRADA processing
– Final reports and metrics

Workshop feedback form at https://forms.gle/q6yEDrZPXQjnzLPL8

General feedback form at https://infuse.ornl.gov/what-is-infuse/