# CFS Activities Relevant to ABoVE

(Maximum 2 page)

## 1. Project Title
National Forest Inventory

## 2. Investigators (include email).

a) Project Lead;
b) CFS collaborators,
c) external collaborators (individuals/institutions)

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Email</th>
<th>Phone</th>
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</thead>
<tbody>
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</tbody>
</table>

The key collaborators to be aware of are the provincial and territorial government collaborators from jurisdictions in the ABoVE study domain:

## 3. Project Description (200 words maximum)
<table>
<thead>
<tr>
<th>4. <strong>Timelines and current funding (level and source)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Please refer to our website: <a href="https://nfi.nfis.org/en/history">https://nfi.nfis.org/en/history</a></td>
</tr>
<tr>
<td>Funding level is currently $700 thousand O&amp;M from CFS plus nearly $2 million from provinces and territories, but this level of funding is subject to change.</td>
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<table>
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<tr>
<th>5. <strong>Reference (1-2 key publication, website)</strong></th>
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</table>
### 6. ABoVE question being mainly addressed (please highlight)

1. How are environmental changes affecting critical ecosystem services - natural and cultural resources, human health, infrastructure, and climate regulation - and how are human societies responding?

2. What processes are contributing to changes in disturbance regimes and what are the impacts of these changes?

3. What processes are controlling changes in the distribution and properties of permafrost and what are the impacts of these changes?

4. What are the causes and consequences of changes in the hydrologic system, specifically the amount, temporal distribution, and discharge of surface and subsurface water?

5. How are flora and fauna responding to changes in biotic and abiotic conditions, and what are the impacts on ecosystem structure and function?

6. How are the magnitudes, fates, and land atmosphere exchanges of carbon pools responding to environmental change, and what are the biogeochemical mechanisms driving these changes?

### 7. Linkages with ABoVE:

- a. Data being collected/generated
- b. Expected key benefits and potential challenges from collaborating with ABoVE
- c. Ongoing and / or interest in future involvement in ABoVE

Data are being collected and there is potential for synergies or mutual cross-leveraging of data collection activities (e.g. NFI data made available to ABoVE research teams; NASA data made available to NFI; NASA contributing to accelerated NFI ground plot measurement activities in the study domain; co-location of foundation aerial campaign flight lines over NFI permanent ground plots; etc.)