

Request for Proposals
Advancing Commercialization of Cellulosic Nanomaterial
September 2016

The U.S. Endowment for Forestry and Communities (Endowment) and the USDA Forest Service's (USFS) public private partnership (P³Nano) has approximately \$2.25 million in funding available for collaborative research projects designed to advance the commercialization of cellulosic nanomaterial.

Proposal selection will be made by the P³Nano steering committee with initial review and recommendations made by its science advisory committee. The Endowment is requiring that a USFS Scientist be listed as a Co-PI on all submitted proposals. *Budgets should not include funding for this scientist.* P3Nano can assist you in finding an appropriate USFS scientist.

We would like to receive proposals and all attachments by October 31, 2016, with awards made by December 15, 2016. Please submit proposals to Michael Goergen via email (michael@usendowment.org) by midnight East Coast time on October 31, 2016.

Proposals are *limited to six pages* using the outline that follows this RFP. Budget, investigator bios and references are not included in the six page limit. Although there is no specified dollar limit for each proposal, the Endowment hopes to fund 7-8 proposals with anticipated budgets of \$250,000 to \$350,000 each. We will accept proposals from any individual, university, company, or research organization. Please clearly articulate how the proposed work will lead to rapid commercialization of cellulosic nanomaterial, how the outcome of the project (knowledge developed), or research capability (equipment, tests, people) funded by the project will be made available to others interested in commercializing cellulose nanomaterials. Please document any additional funding (direct, indirect, or in-kind) that is part of your proposal, and if it builds on previous P³Nano funding. We are not interested in basic science; we are trying to accelerate the emerging commercial market for cellulosic nanomaterials and your proposal should reflect this.

While we are open to a broad range of proposals we are interested in investigating:

- Environmental health and safety
- Cellulose nanomaterial dewatering
- Work on cellulose surfaces focused on improving the interface between cellulose particles and typical composite resins
- New/novel composites containing cellulose nanomaterial
- Advances in paper and packaging
- Understanding or reduction of energy consumption and or economics of production
- Development of photonic and electronic enabled materials using cellulose nanomaterial
- Other new or novel applications of cellulose nanomaterial

Proposal Outline

1. Title
2. Principal Investigator(s)
3. Forest Service Collaborating Scientist(s)
4. Other Personnel:
5. Project Abstract:
6. Key Questions Being addressed
7. Background:
8. Scientific Approach
9. Expected Results (Deliverables)
10. Time Line & Milestones
11. Budget (not counted against the six page limit)

	Year 1		Year 2		Year 3		Out years (add more if needed)	
	P ³ Nano Funds	Cooperator Funds	P ³ Nano Funds	Cooperator Funds				
Personnel								
Fringe Benefits								
Travel								
Equipment								
Supplies								
Indirect†								
Total								

†Please reference the indirect policy found on the [Endowment website](#).

12. References (not counted against the six page limit)
13. PI Bios (not counted against the six page limit)