



## Proposal Status | MAIN ►

**Organization:** University of Maryland College Park

### Review #1

**Proposal Number:** 1305368  
**NSF Program:** Computing Research Infrastructure  
**Principal Investigator:** Raschid, Louiqa  
**Proposal Title:** CI-P: Developing the Next Generation of Community Financial CyberInfrastructure for Monitoring and Modeling Financial Eco-Systems and for Managing Systemic Risk  
**Rating:** Very Good

### REVIEW:

In the context of the five review elements, please evaluate the strengths and weaknesses of the proposal with respect to intellectual merit.

This project proposes to develop a community financial cyberinfrastructure for monitoring and modeling financial eco-systems. The PIs argue that current financial cyberinfrastructure severely restrict the availability of data to market participants, regulators and researchers. This is mainly due to two reasons: 1) constraints on data collection, 2) challenge of dealing with the complexity of financial information.

Intellectual Merit:

**Strengths:** This is an interesting proposal that targets an important application. The proposal is well-written with the motivation clearly explained. The PIs certainly have done a lot of work to form an advisory committee and a steering committee for the proposed work.

**Weaknesses:** It seems that this proposal can at most address the second limitation of the existing financial cyberinfrastructure, i.e., the complexity of dealing with financial information. But the proposal cannot really deal with the first limitation, i.e., constraints on data collection. The PIs should also make the first part clearer in their later main proposal.

In the context of the five review elements, please evaluate the strengths and weaknesses of the proposal with respect to broader impacts.

**Strengths:** The proposed community financial cyberinfrastructure, if successful, clearly will make a big impact on the current financial business. The proposed education activities are reasonable.

**Weaknesses:** None.

Please evaluate the strengths and weaknesses of the proposal with respect to any additional solicitation-specific review criteria, if applicable

### Summary Statement

This project proposes to develop a community financial cyberinfrastructure for monitoring and modeling financial eco-systems. The proposal is interesting to read and targets an important application. However, although the PIs seem to have extensive experiences in developing various information systems, the proposal cannot really deal with the first limitation, i.e., constraints on data collection. Overall, for a planning

proposal, it is very good.

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