



The Next Steps

Wrap-up and Closing Discussion

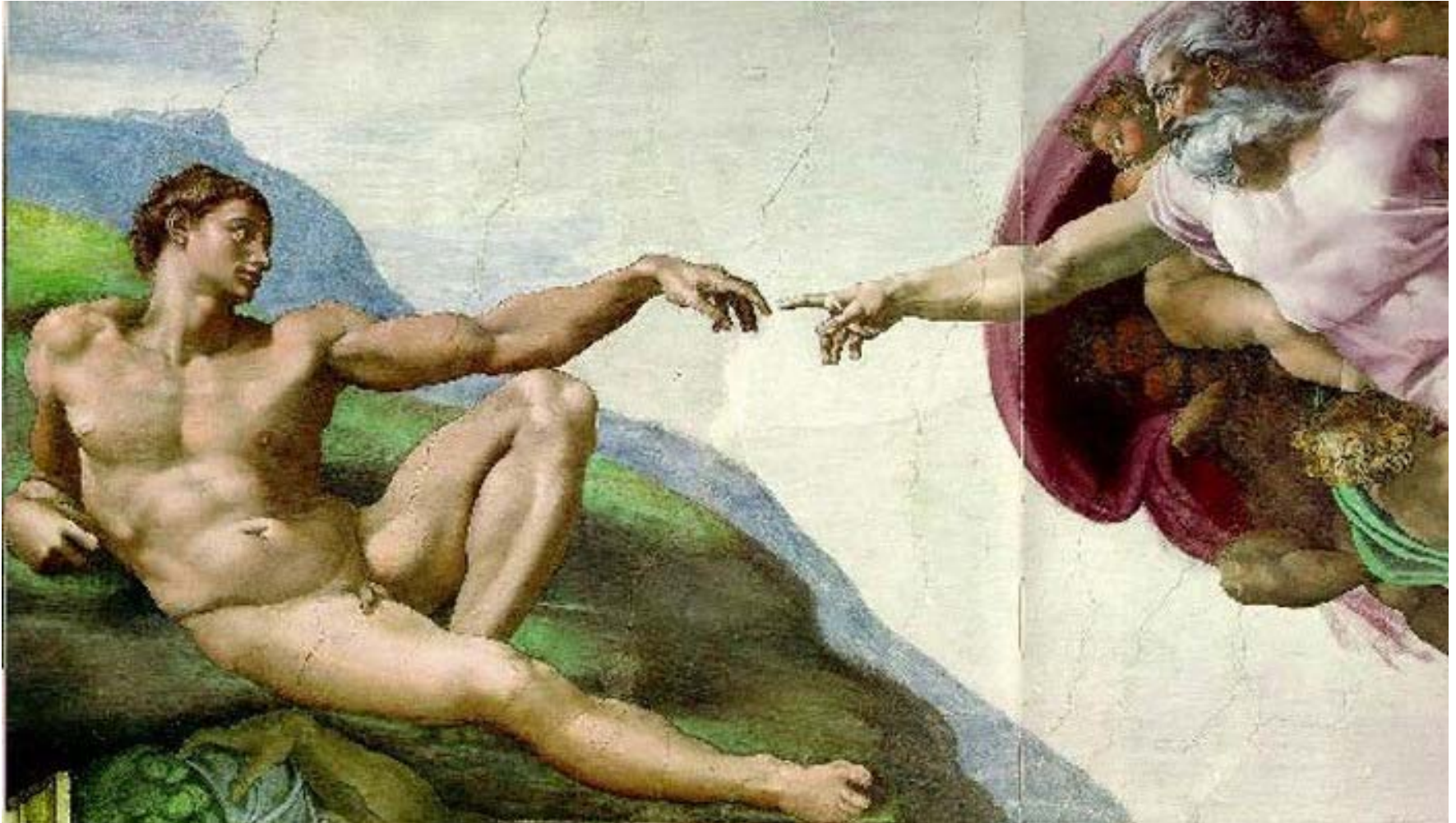
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“Hey, how difficult could it be?”





Current Top GENI Risks (Technical)

These will drive the first GENI solicitation

- **Architecture & requirements development.** Create/improve designs for areas including instrumentation, security (identity, authentication, and authorization mappings to existing technologies), resource description and discovery, federation, and user opt-in. Analyses and some prototyping in these areas will be useful.
- **Slicing as a basic construct, employed end-to-end across a range of technologies.** Here near-term, working demonstrations of the relevant GENI subsystems and trial integrations will be particularly useful, as will early demonstrations of instrumentation in a sliced environment.
- **Developing a practical approach for administrative and operational control** that addresses the needs of cooperative facility hosts (e.g., universities); federated, interconnected facilities (e.g., non-NSF GENI facilities); subcontracted facilities (e.g., optical networks or co-location facilities); and a GENI Network Operations Center.



Current Top GENI Risks (Non-technical)

- Narrow vs. Broad Participation
 - We go for “big tent” and think our plans for GENI prototyping offers many different ways to participate – contrary views? Improvements?
- Exactly what Communities are we talking about?
 - We believe in the “hard core techies” **plus** economics, law, ethics, etc. – contrary views? Additions?
- **Operational risks – need to involve Campus CIOs and operational teams right from the start**
 - Good ideas on how to structure this?
- **Too successful (must support operational traffic)**
- **Engagement**
 - Risk of lack of industry involvement or opposition
- **Lack or presence of “opt in” user traffic (both technical & non-technical)**



And so the great adventure begins . . .

Be bold! Be creative!

Drive the design forward!

All beginnings are difficult . . .

but we think you will get a surprising number of **great** prototypes and trial systems up and cycling within a year!

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