

Insights from US ITER:
**Strategies for Accelerating
Fusion Energy as a Project**

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SOFE Town Hall Meeting | June 27, 2011

1. Treat fusion energy as a project, rather than a program.

Mission:

- Rapid materials and fusion systems development, leading to a demonstration system

Sequenced Deliverables:

- Near-term tasks, logic and decision-trees to meet prerequisites
- Flexible, upgradeable core facilities
- Anticipated facility upgrades, building to full fusion system demonstration

2. Manage risks (don't avoid them).



3. Plan the path to fusion energy.

Design the
Project:
Tasks and
Logic

Resource-
Load

Business
Plan
(teaming,
government/
private)

4. Design, build and upgrade basic facilities.

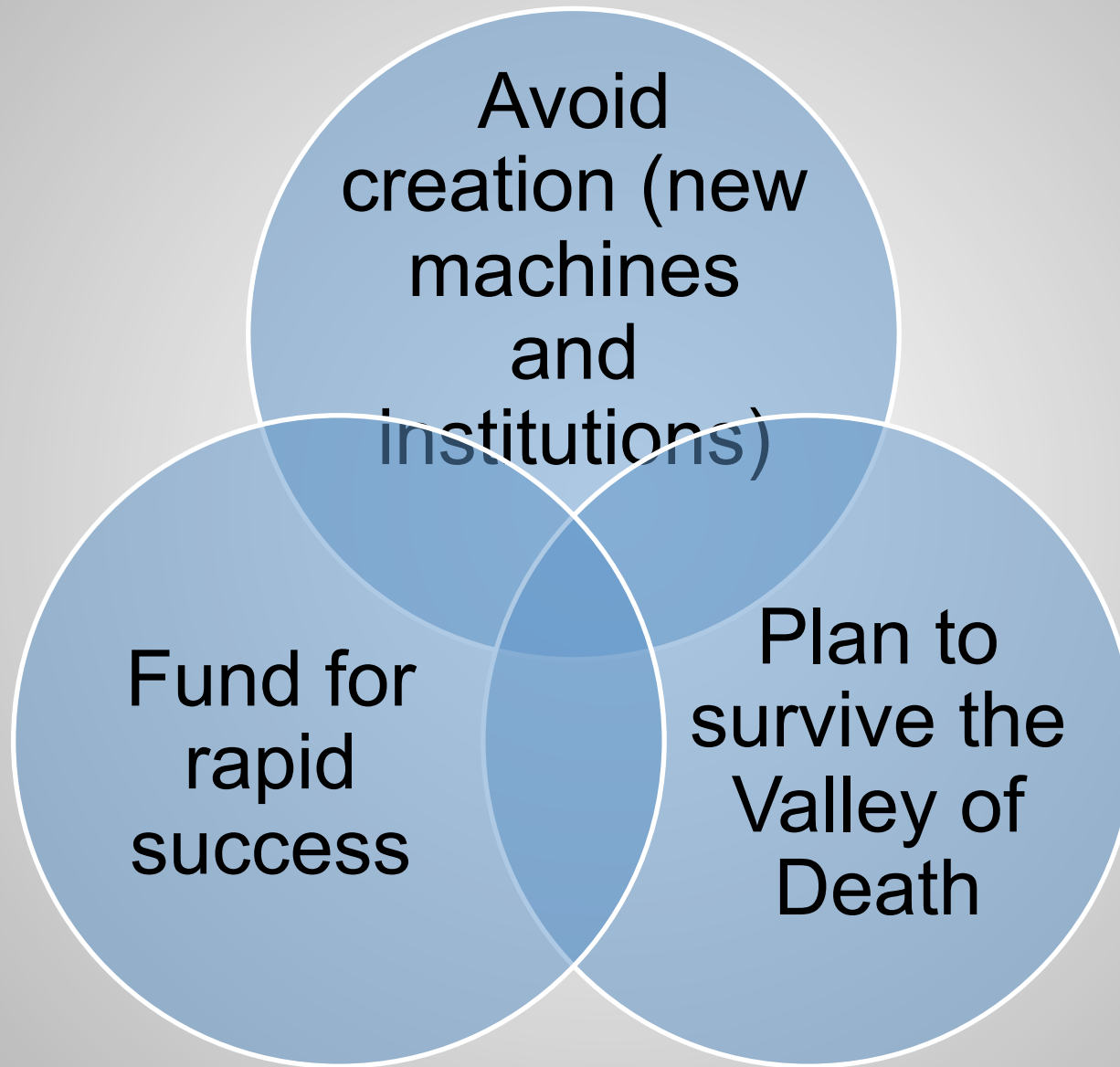
Flexible Machine

Re-Usable Basic Machine
(shield the structure and containment)
Design for change-out of many systems

Flexible Technical
Infrastructure

Develop materials and
systems iteratively

5. Organize for success.



Summary

**Treat fusion energy as a project,
with linked tasks, needed resources,
decision points, and deliverables**

- **Manage risks (don't avoid them)**
- **Plan the path to fusion energy,
emphasizing effective decision-making**

**Design, build and upgrade basic facilities:
avoid new facilities and new institutions**

Plan the teaming:

- **Multiple parties, as desired**
- **Government and private sector**