

Science Team Leadership

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Summary of Main Points

Review team leadership literature

3 Leadership Theories

Traits, Techniques, Contingencies

3 Types of Teams

Action:

Protocols for problem solving
SWAT; clear, stable roles
Uncertainty adaptability



Innovation:

Creativity & adoption
R&D; Multidisciplinary teams
Psy safety; rotating roles; fiat & fault lines



Multi-team:

Big Projects - CERN
New area; teams of teams;
Cross team Effectiveness



Team science Unknowns

3 Challenges

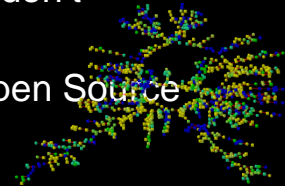
Parsimony

There is none
Higher level issues – creativity,
exploration and exploitation

Evidence

Little empirical evidence on
science-specific teams –

- What Science teams do that Individuals don't
- Networks
- Crowds, Open Source



Best Practices

No position on Best Practices
for science teams

- Costs, Formalization,
- Efficiency crowds out creativity

Recommendations

Research

research on science-specific
team leadership need

Traits Identification

(Transformational
leadership?)

Team types

Identification (action,
innovation, science,
chemistry vs ecology)?

Develop **mindsets and
identities** to motivate
practice and development
(**Hannah's comment on
culture**)

Thank you

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