# e-Infrastructures for Open Science

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# e-Infrastructures for Open Science

## A DAY IN A RESEARCHER'S LIFE

### Beth & colleagues receive a grant

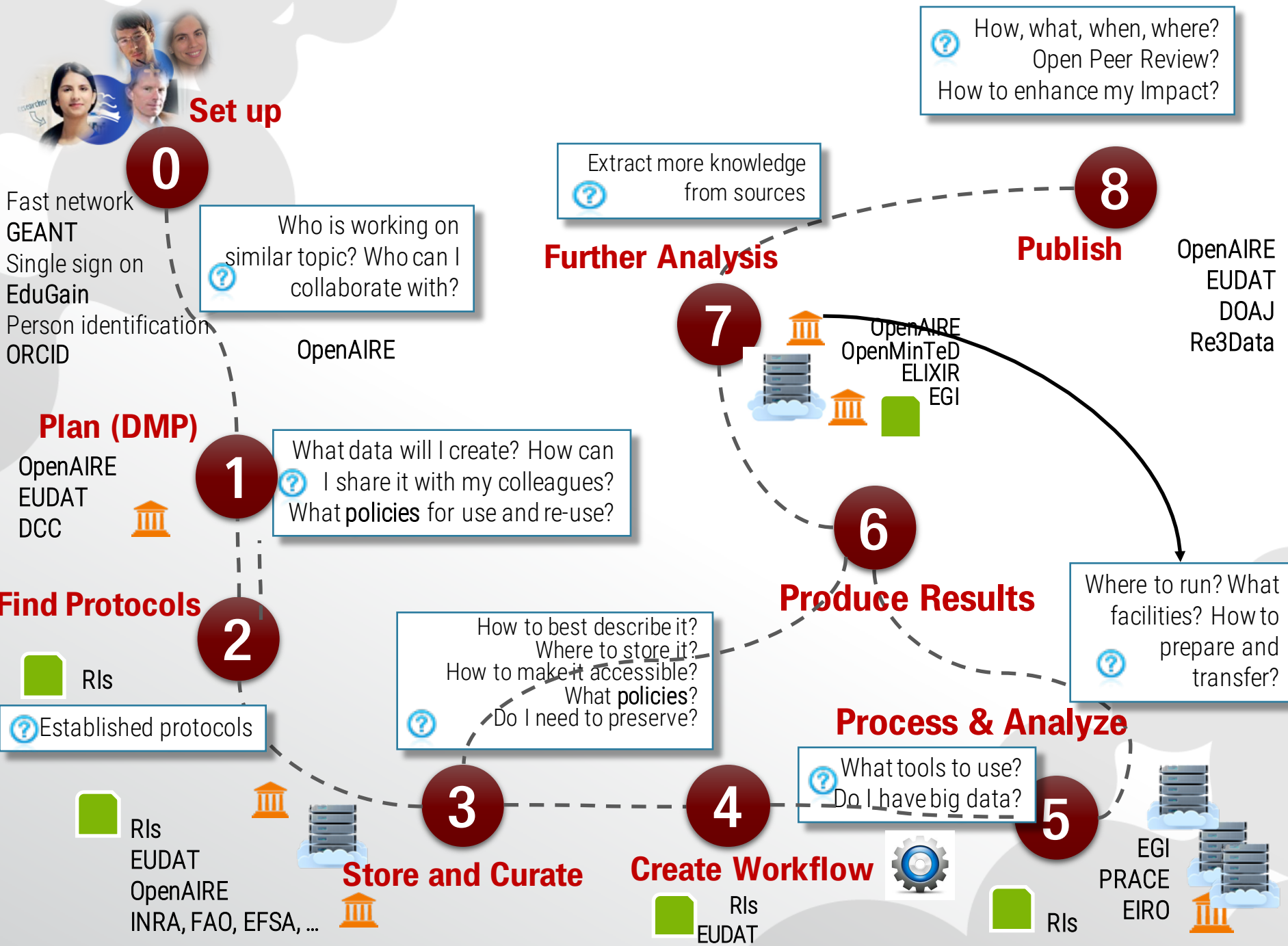**TOPIC: identify water & air borne diseases and alert**

**SCENE:**

Beth is an agriculture researcher in UK

Frank works in industry in France

David works in a Dutch government organization

Mema is a CS professor in Greece

…

**Set up**

**0**

Fast network
GEANT
Single sign on
EduGain
Person identification
ORCID

Who is working on
similar topic? Who can I
collaborate with?

OpenAIRE

**Plan (DMP)**

OpenAIRE
EUDAT
DCC

**1**

What data will I create? How can
I share it with my colleagues?
What **policies** for use and re-use?

**Find Protocols**

**2**

RIs

Established protocols

RIs
EUDAT
OpenAIRE
INRA, FAO, EFSA, …

**3**

**Store and Curate**

How to best describe it?
Where to store it?
How to make it accessible?
What **policies**?
Do I need to preserve?

**4**

**Create Workflow**

RIs
EUDAT

**Process & Analyze**

What tools to use?
Do I have big data?

**5**

RIs

EGI
PRACE
EIRO

Extract more knowledge
from sources

**Further Analysis**

**7**

OpenAIRE
OpenMinTeD
ELIXIR
EGI

How, what, when, where?
Open Peer Review?
How to enhance my Impact?

**8**

**Publish**

OpenAIRE
EUDAT
DOAJ
Re3Data

**6**

**Produce Results**

Where to run? What
facilities? How to
prepare and
transfer?

**E-Science services**

Set up
Plan (DMP)
Further Analysis
Store and Curate
Create Workflow
Produce Results
Use Protocol
Process & Analyze
Share
Publish
…
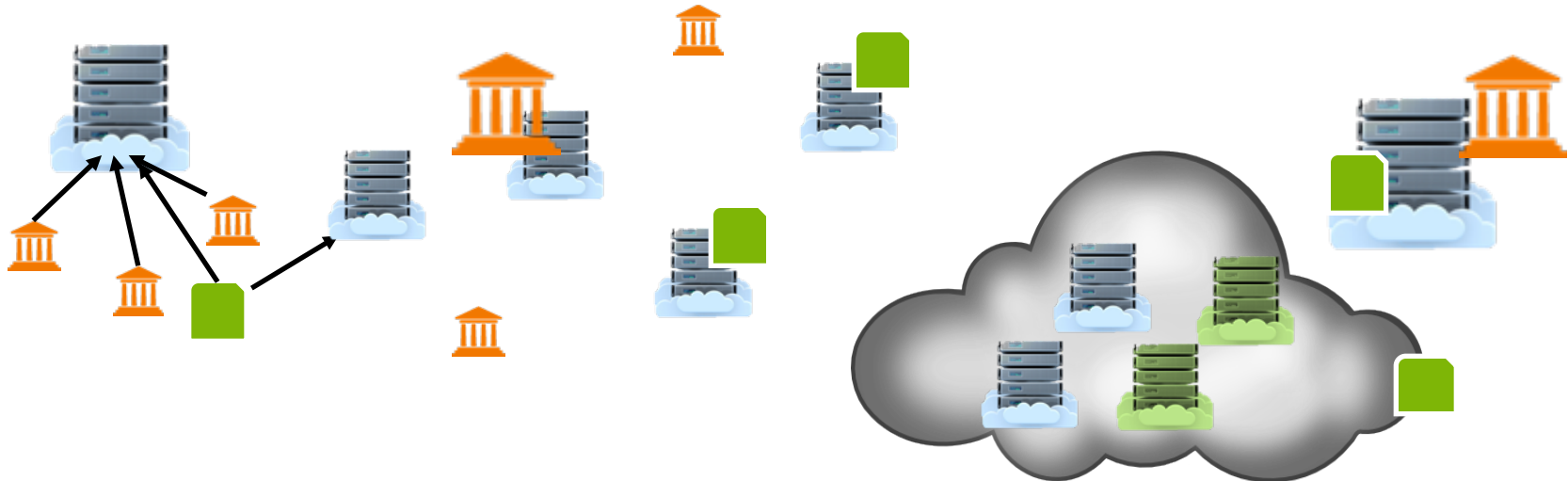
**Rules of conduct and engagement**