



# Defining France Grilles resource allocation strategy

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France Grilles International Advisory Committee – March 2011

# What do we want?

## ➤ We want to assess:

- How resources and services are distributed
- How needs are expressed and answered to
- What we could do better

## ➤ We want to have the means to:

- Apply a national scientific policy
- Better answer to user needs
- Improve service delivery to the French community

# What can we do?

- **Define resource allocation principles**
  - That consider user needs and national policies
  - That stay in line with Grid specificities
  
- **Apply these principles**
  - Through a clear strategy at national level
  - Without interfering when not necessary

# Where do we start?

## ➤ Get inspiration from...

- What was done in EGEE
- What is done in WLCG
- How it works in other sectors (e.g. HPC)
- How other NGIs do it

## ➤ Build up a strategy that...

- Makes the most of what already exists
- Takes our specificities into account

# Proposed principles

## ➤ Necessity to evaluate allocation demands

- *A priori* – How much can we allocate? Does it follow national policy?
- *A posteriori* – Have we allocated properly? Do we need to readjust?

## ➤ Final decision...

- Is taken by whom the resources belong to
- Can result in formal agreements

## ➤ Necessity to define the role of the NGI

- As a facilitator between users and providers
- As a possible point of contact and broker



# Different use cases

## ➤ Depending on who the user is

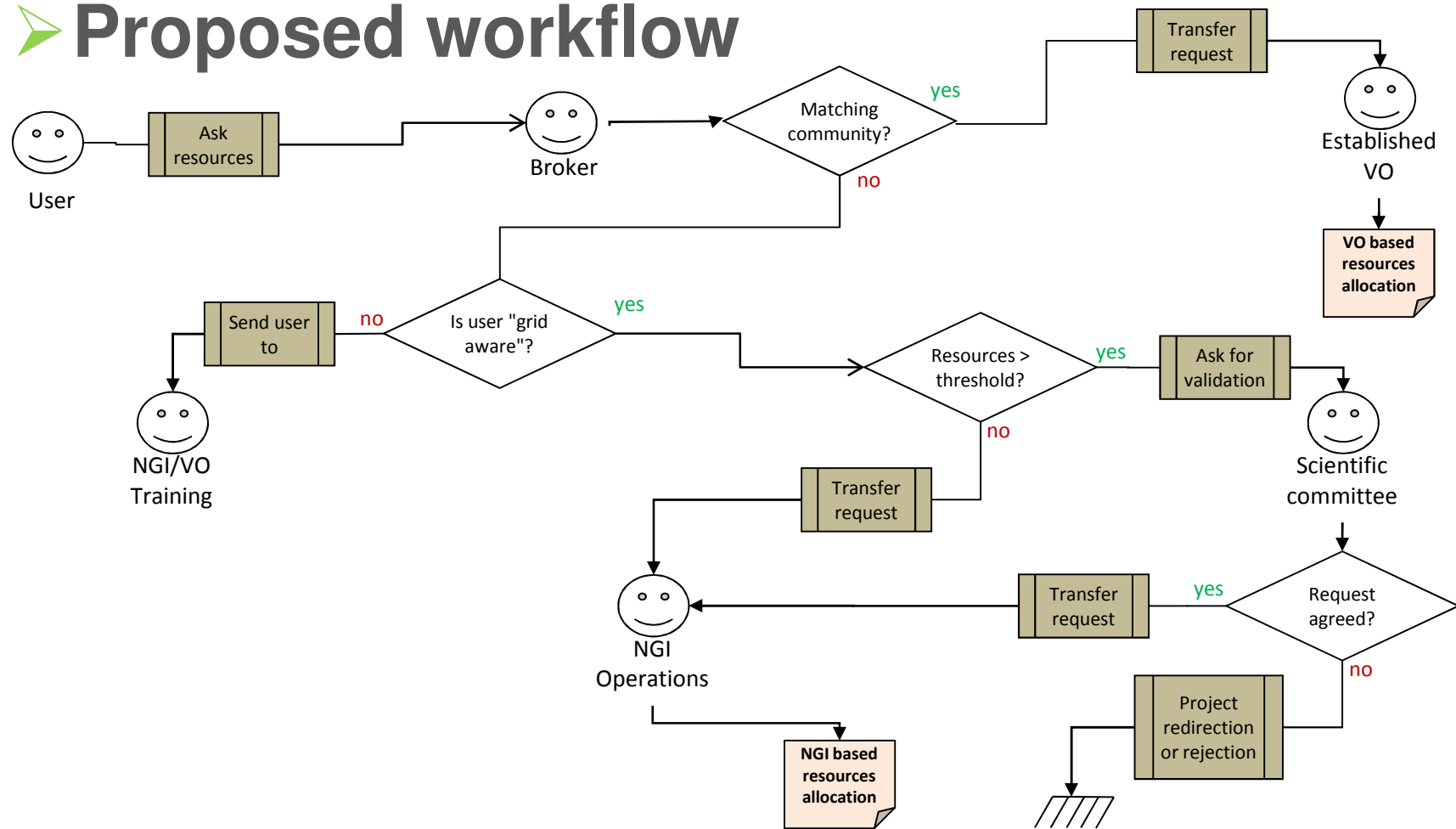
- A new user or new community
- An existing community for which we are the sole resource providers
- An existing international community

## ➤ Depending on what the user wants

- Precise needs in terms of resources
- Just "use the grid"

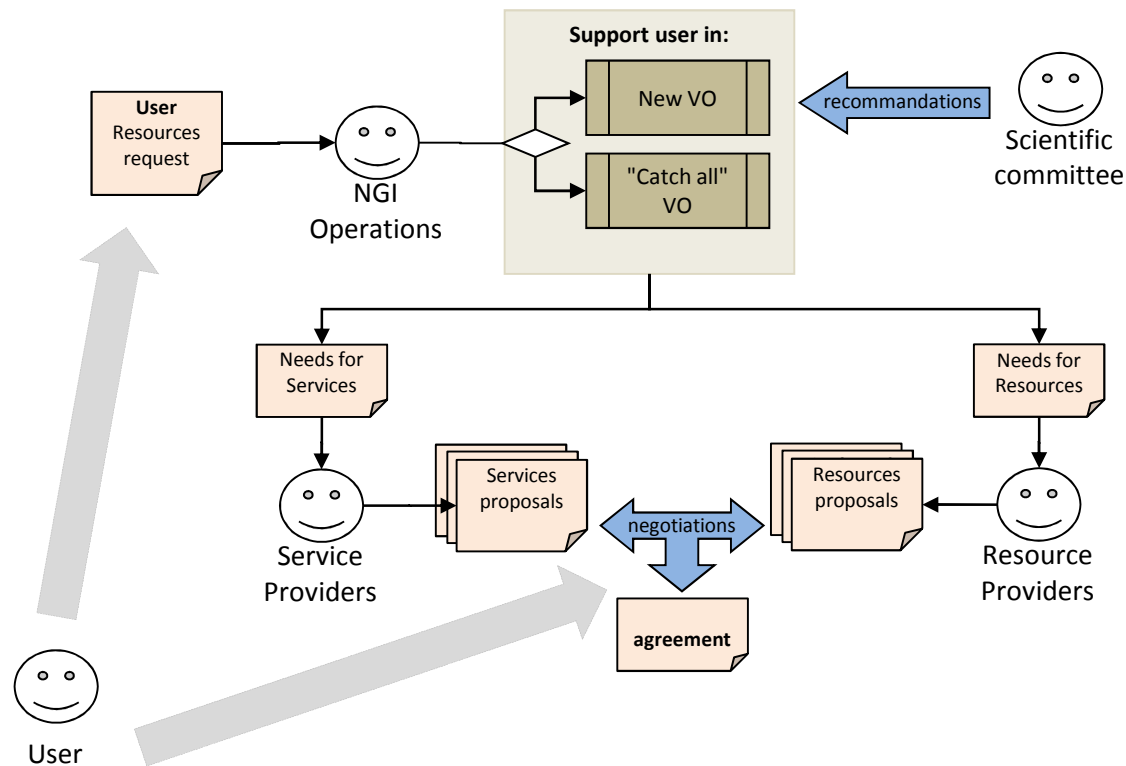
# RA to new users (1)

## Proposed workflow



# RA to new users (2)

## ➤ NGI based agreement







# RA to new users (3)

## ➤ A posteriori analysis

- What has been used?
- Does this answer user's needs?
- Have agreements been followed?
- Is there a need to renegotiate?



# RA to established communities (1)

## ➤ With an existing allocation process

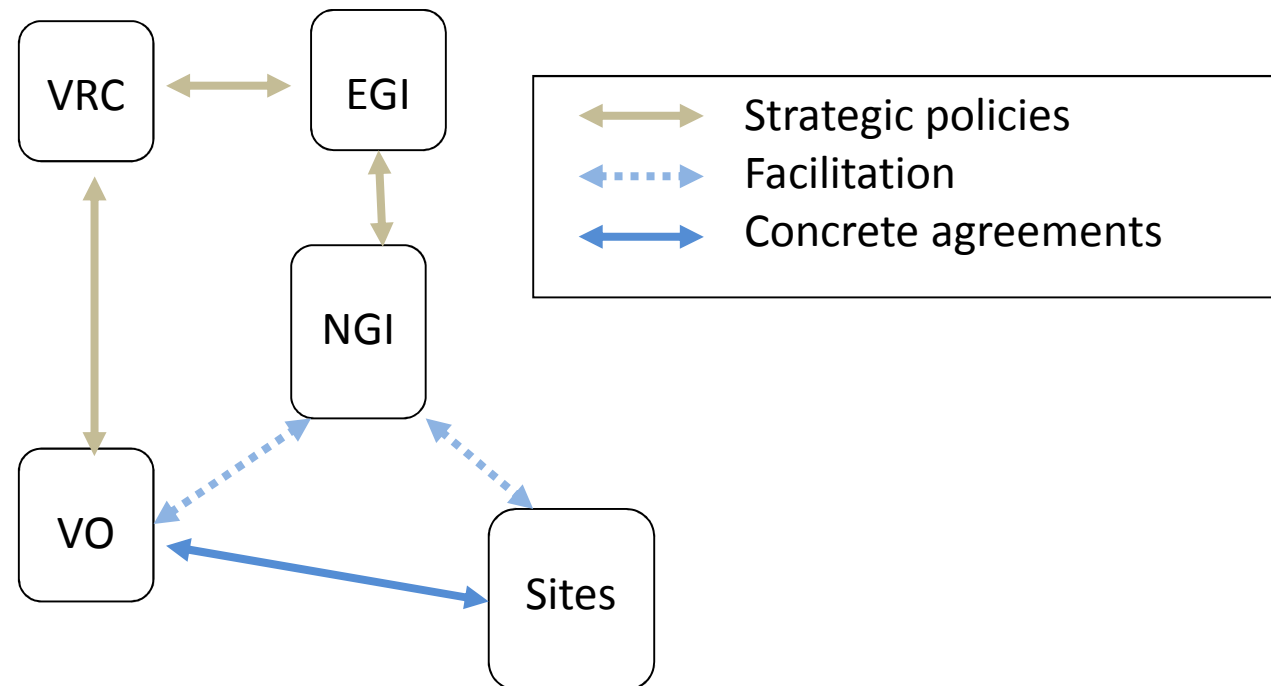
- E.g. WLCG
- We should not interfere or conflict

## ➤ Without a formalized process

- E.g. biomed
- We should be here to help

# RA to established communities (2)

- Place the NGI as a facilitator for resource negotiations



# Can we implement this?

## ➤ “New user” use case

- Establishment of a national VO under study
- Modalities of establishing a NGI point of contact

## ➤ “Established communities” use case

- Study usage of a resource negotiation tool
- Bring the discussion at EGI level

# What's next? (1)

- **“new user” use-case through national VO**
  - Validate initial hypotheses
  - Study pertinence and feasibility
    - Can we technically do what we want?
    - How does that currently work (e.g. local VOs)?
  - Reach an agreement with all involved parties
  - Establish national VO specifications
  - Define deployment plan
  - Timeline: Now – Fall 2011

# What's next? (2)

## ➤ RA to established communities

- Validate initial hypotheses
- Study pertinence and feasibility
  - Is something better than nothing?
  - Do we have the means to enforce our strategy?
- Initiate a wider discussion (e.g. within EGI)
- Reach an agreement with all involved parties
- Define and organize definition tasks



# Open questions

- **How can we easily integrate our strategy to what exists?**
- **Is there always a need for filtering?**
- **How not to mix “allocation” and “reservation”?**
- **Is it worth the effort?**