

# Work package 2 task 3 - in-kind contributions

Sonia Utermann (FAIR)  
Haik Simon (GSI)

Nouvelle!  
100% en  
plus!

## From the IDEAAL consortium agreement



- « "Evaluate French-German collaboration  
... and establish rules for GANIL"
- « "Define technical milestones and follow up"
- « "Knowledge exchange"
  - with stakeholders
  - best practice



## From the IDEAAL consortium agreement

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**Learn from the mistakes (and successes!) of others. Life is too short to make them all yourself!**



# Objectives



## How can we best build Spiral 2?

- « What is in-kind?
- « Why in-kind?



**What's in it for  
the facility?  
the politicians?  
the shareholders?  
the providers?**

# Objectives

## How can we best build Spiral 2?

- « What is in-kind?
- « Why in-kind?



**There is no one in-kind model;  
each project has its own unique model.**

# Objectives

## How can we best build Spiral 2?

- « What is in-kind?
- « Why in-kind?
- « In-kind study object: FAIR GmbH



There is no **one** in-kind model;  
each **project** has its own **unique** model.



# Study object FAIR



**GSI**

- « **GmbH = limited company**
- « **10 shareholders**
- « **FAIR council**
- « **Convention signed 2010**
- « **Costbook fixed 2010**



# Study object FAIR

- « GmbH = limited company
- « 10 shareholders
- « FAIR council
- « Convention signed 2010
- « Costbook fixed 2010

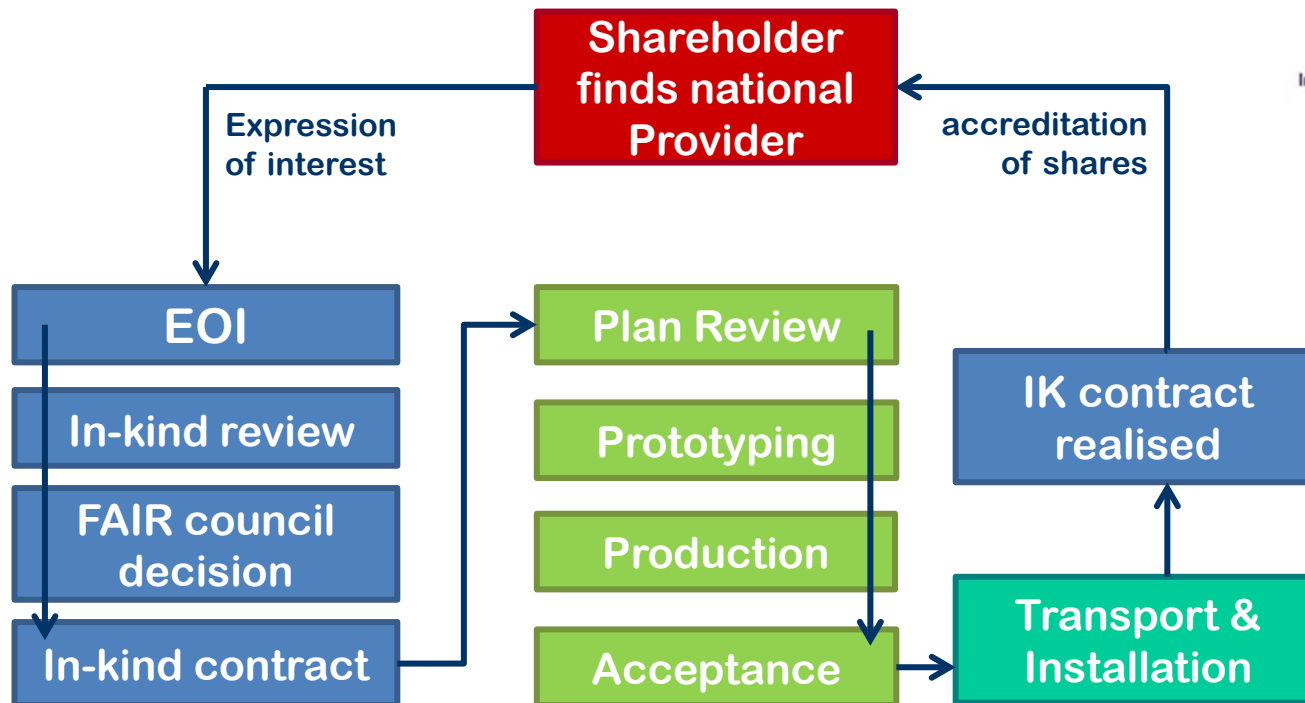


★ Goal: 100% in-kind ★





# The FAIR in-kind model(s)



# Costbook

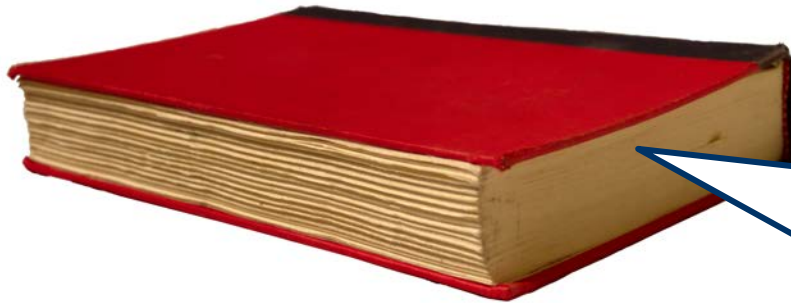


- « functional needs
- « basic specifications
- « costs (fixed in 2010)



★  
“The **Costbook** reflects the present status of the estimate. The facility costs are evaluated on a component basis and then aggregated for the sub-systems and finally for the total facility.” ★

# Costbook



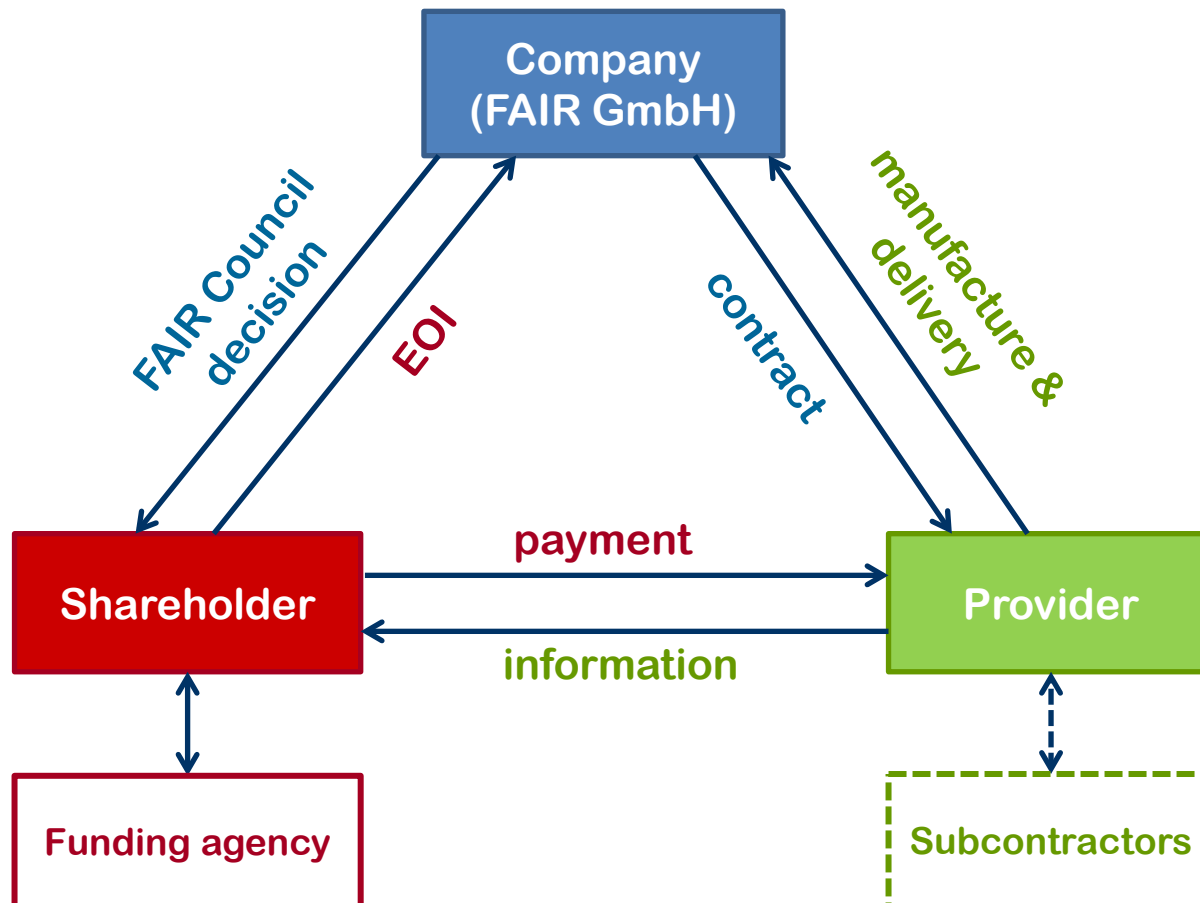
- « functional needs
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A **shareholder** takes over a work package

- « technical
  - « scientific
  - « financial
- } responsibility

# Trilateral agreement



# What can go wrong?

## What are the inherent weaknesses of in-kind contracting?

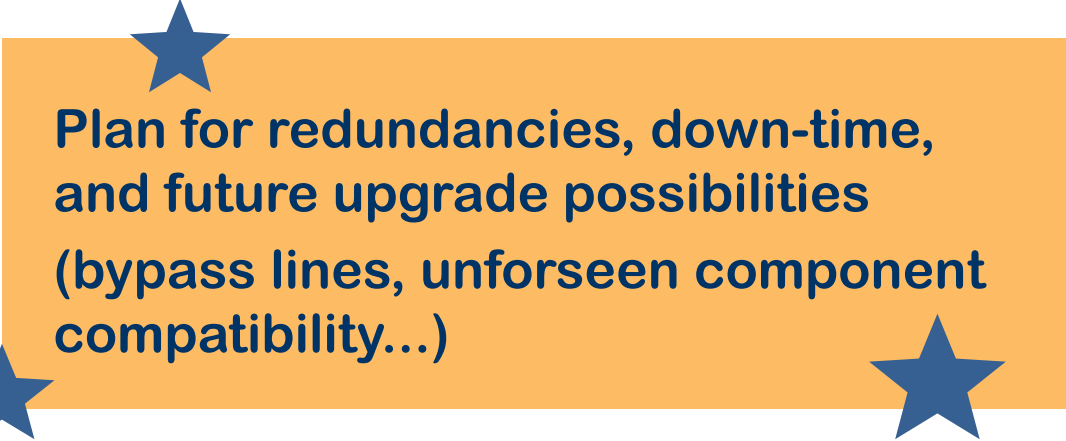


- « multi-stakeholder
- « politically laden
- « little leverage
- « intersection of responsibilities
- « on achète la chat en poche



# Lessons learned so far

- « Costs were underestimated
- « Responsibilities are not always clear especially at intersections
- « Don't forget the beam dumps!
- « The buck stops at the host lab



Plan for redundancies, down-time,  
and future upgrade possibilities  
(bypass lines, unforeseen component  
compatibility...)

# Open questions

- « Non-shareholder model – leverage?
- « Just-in-time versus as-soon-as-possible
- « Import: customs exemption
- « Export of knowledge: dual use
- « ... still collecting questions ...
- « ...
- « ... your questions here ...

# Best practice exchange



- « April / May 2018
- « Speakers from GANIL, GSI, ESS, European XFEL ...
- « At GANIL

