

# Business models for research infrastructures

Maurits Butter (TNO)



**Interreg** Europe



















# Two views on business models for research infrastructures

Business models to ensure economic sustainability of the research infrastructures

Business models for **European collaboration** between (regional) research infrastructures









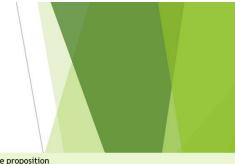


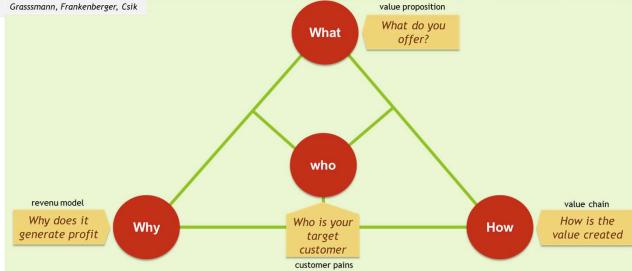
# Two views on business models for research infrastructures

- Business models to ensure <u>economic</u> <u>sustainability of the research infrastructures</u>
- Business models for <u>European collaboration</u> between (regional) research infrastructures





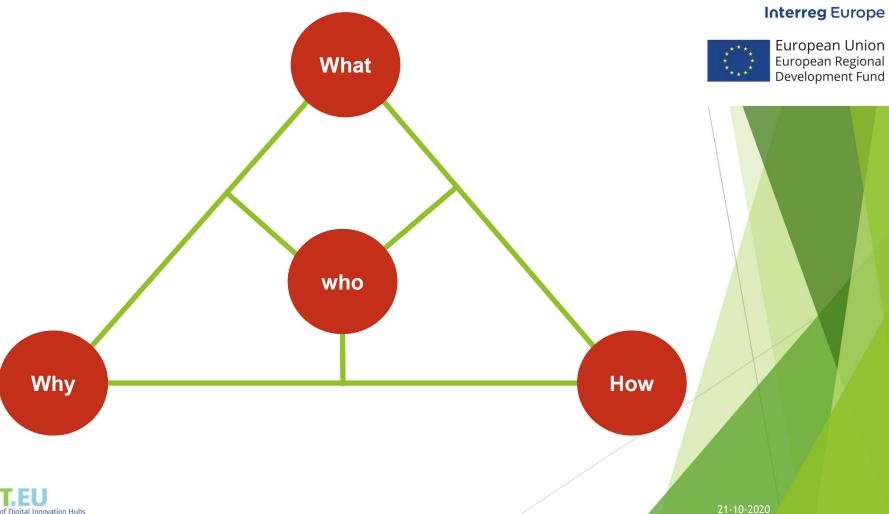








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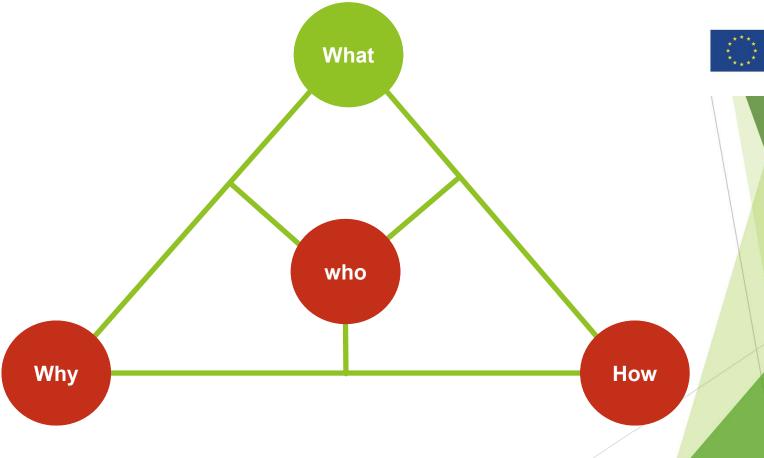




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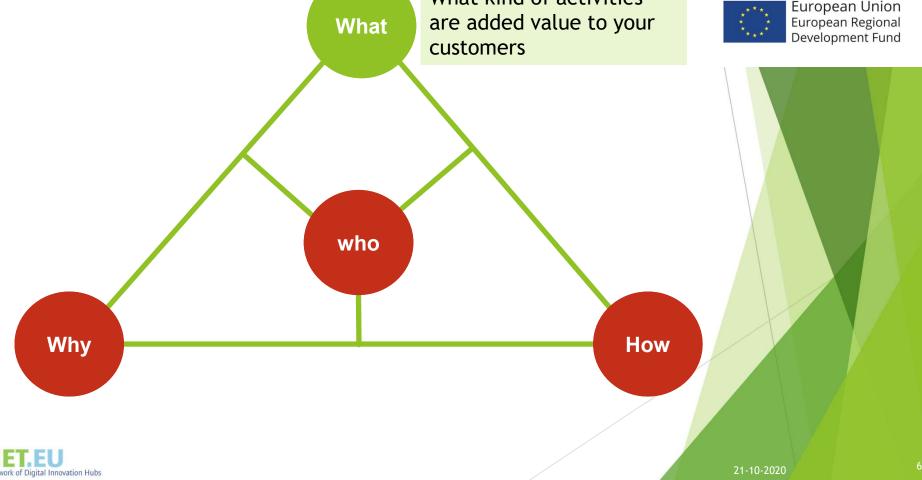
European Union European Regional Development Fund







What kind of activities European Union

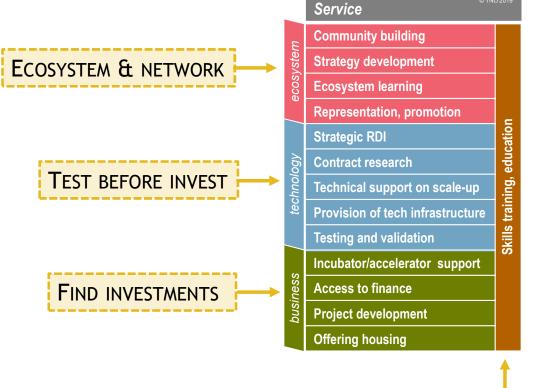




## What: Take the activities of a DIH











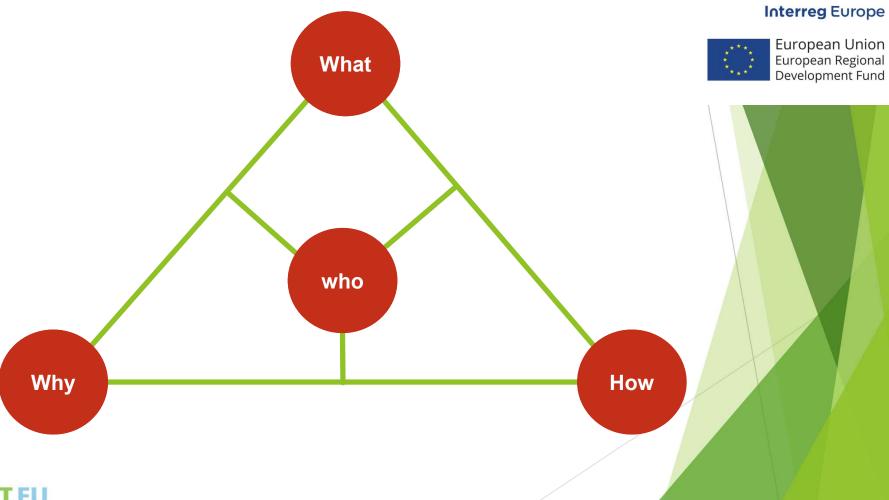
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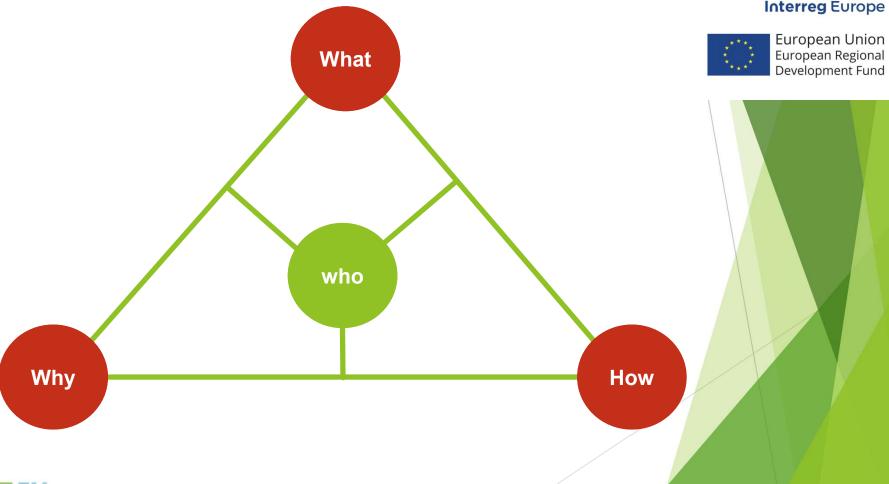
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Who is your customer, what are its issues/need?

who

What

Why

How



### **INDUSTRY: INTEREST**



### European Union

#### European Regional Development Fund

### Large companies

Community building

Strategy development

Representation, promotion

Strategic RDI

Technical support on scale-up

Provision of technology infra

Testing and validation

Incubator/accelerator support

Access to finance

Skills and education

Project development

Offering housing

#### **SMEs**

Community building

Technical support on scale-up

Provision of technology infra

Testing and validation

Incubator/accelerator support

Access to finance

Skills and education

Project development

Offering housing

#### Community building

Start ups

Ecosystem learning

Technical support on scale-up

Provision of technology infra

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Access to finance

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**Project development** 

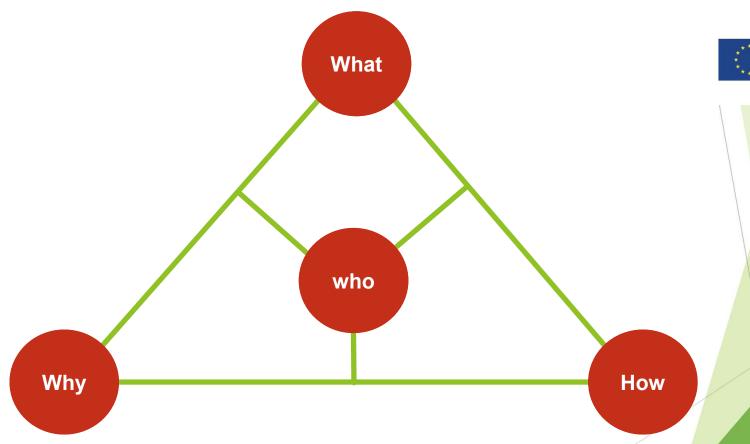
Offering housing





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European Union European Regional Development Fund



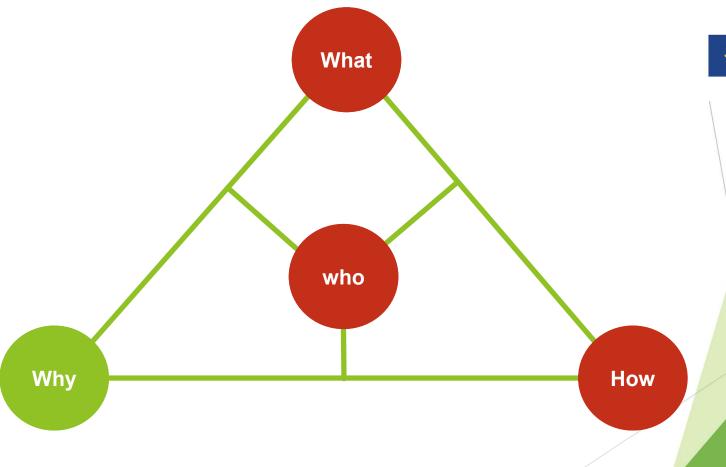




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European Union European Regional Development Fund







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Revenu model: Being payed! Who, how, how much, what, for what

Why



What







### INDUSTRY: WILLINGN € € SS TO PAY



### European Union





#### Largo companios

Large companies
Community building
Strategy development
Ecosystem learning
Representation, promotion
Strategic RDI
Contract research
Technical support on scale-up 🧲
Provision of technology infra
Testing and validation
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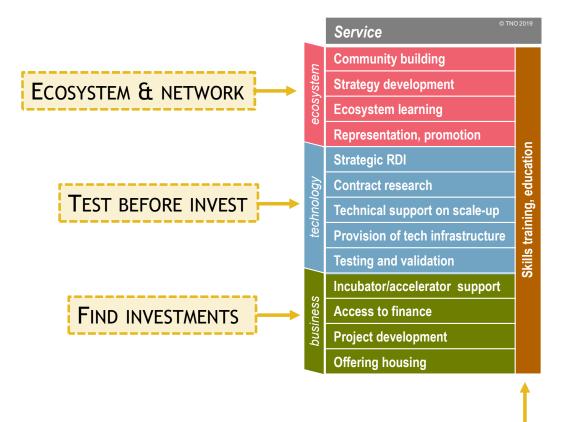
# **SMEs** Community building Technical support on scale-up Provision of technology infra Testing and validation Incubator/accelerator support Access to finance Skills and education Project development Offering housing

Community building	
Strategy development	
Ecosystem learning	
Representation, promotion	
Strategic RDI	
Contract research	E
Technical support on scale-up	1
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Start ups



## To summerize



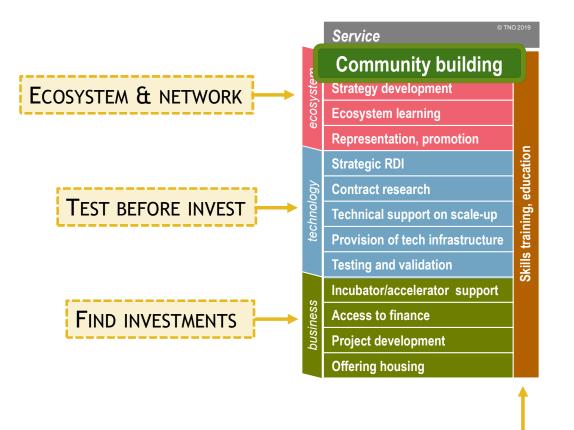






SKILLS & TRAINING

# To summerize









SKILLS & TRAINING

# The business logic on community building



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#### Added value

- Training on topics
- Periodic info on trends
- Access to free flex space
- Access to community
- Meeting value chain partners
- Brokerage opportunities
- Benchmarking info competitors
- · What is going on in the region
- Who is doing what
- Emerging issues and trends
- Database with actors
- Interests for collaboration

#### Key assets

- Hub branding/position
- Community database
- One stop shop website
- Company connections
- Events information



- Training seminars
- Hub events/conferences
- Flex space
- Newsletters

#### **Funding**



**Why**: Added value from information and network

**What**: General membership, dedicated activity fees



**Why**: Preparing the ecosystem for pan-EU

What: Formalised Networking instruments



Why: Connecting SMEs to the ecosystem

**What**: Formalised Networking instruments

Community awareness
New projects
Access to business expertise
Access to infrastructures/technologies



Successful projects New technologies developed



# 4 business models for community building



#### Option 1: Tier 3 membership

**Core:** An annual fee to get access to some general information and events.

**Product:** Newsletters, events, flexible working space, Q&A, community app

#### Pros:

- Low threshold for participation
- Can be easily combined with other activities

#### Cons:

- Limited added value
- Large community required
- Requires additional funding

#### Option 3: Advertisement on website (affiliation)

Core: Using the strong name to link to other website on a commercial basis

Product: Linking as an adversisement mechanisms (Google)

#### Pros:

Limited costs

#### Cons:

• Potential damage to the independent image

#### Option 2: Add-on

#### Core:

On requiest, perform specific services fully paid for specific customers (standardized approaches needed).

**Product:** Matchmaking, individual netwerk advises, in-app purchases

#### Pros:

High added value

#### Cons:

- High costs can be a threshold for puchase
- Track record is crucial

#### Option 4: Sponsorship

**Core:** Additional income by allowing sponsors to attach themselves yo the deliverables and events

**Product:** Incorporating logo of third parties

#### Pros:

- Easily acchievable
- Improving the strength of the hub

#### Cons:

- Dilution of the independent image
- Added costs to materials

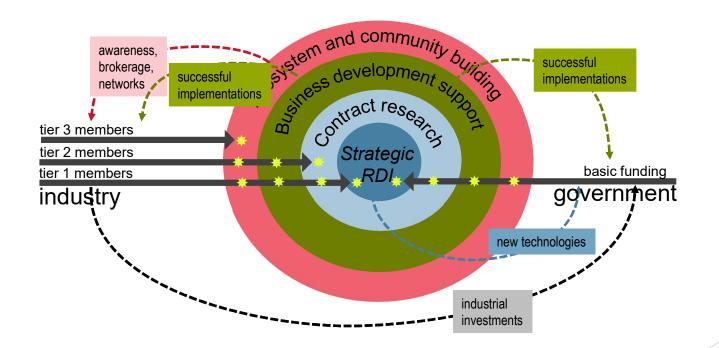




# Key: a multi-layered business model









# Some observations from my side

- ► Embed your research infrastructure in the ecosystem, linking technology services to business and ecosystem services
- Multiple interlinked business models are needed to ensure economic sustainability
- As a research infrastructure is addressing "market failures", public support is needed. But commercial activities are also important
- Successful infrastructures are strong on industry involvement, but there is a downside
- A research infrastructure should use large enterprise support to build a foundation, but should have SMEs in their mission













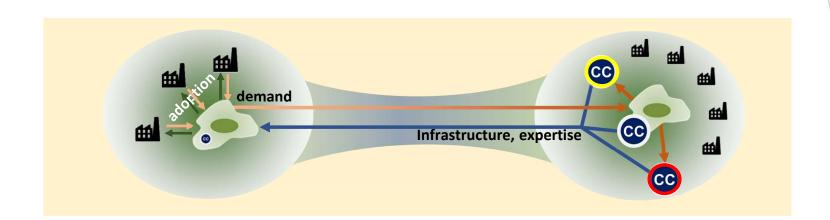
# Epiloge: Business models for interregional collaboration



# This is about creating corridors









## Business models for EU collaboration

- EU-collaboration is key to ensure the competitive advantage of the regions
  - ► Action: Aligned expenditures and reduction of overlap
  - ▶ Impact: More budget for higher expertise in specific areas
- Creating economic sustainable interregional collaboration is difficult:
  - ▶ The return on investment to engage in EU-collaboration is too low for indivual RIs
  - ▶ Regional collaborations/coordination can create economy of scale, increasing ROI
- New business models are needed to make EU-collaborations profitable
  - Brokerage fees;
  - Pan-EU cluster projects
  - ► Satellite model for research development









# Business models for EU collaboration

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# The European Digital Innovation Hubs

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Website: https://dihnet.eu/

E-mail: maurits.butter@tno.nl











