

28 - 29 APR | 2022 EUA Annual Conference | BUDAPEST, HUNGARY *University values: what, why and how?* 

## **Embedding collaboration throughout the university.** The UPC Nexus24 Program.

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- 1. Why
- 2. How
- 3. Results
- 4. Challenges

# our university needed to be more collaborative?

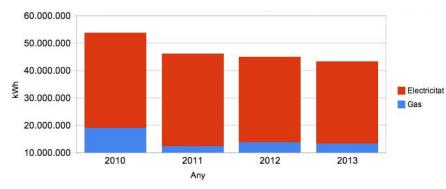
University values: what, why and how?

The value of **collaboration** is at the heart of any **sustainable** solution or strategy.

Sustainability efforts in universities have generally focused on **curriculum**, **research**, **operations or outreach**.

But what happens if we focus on the **organizational model?** 

## Back in 2014 ...



#### Energy consumption

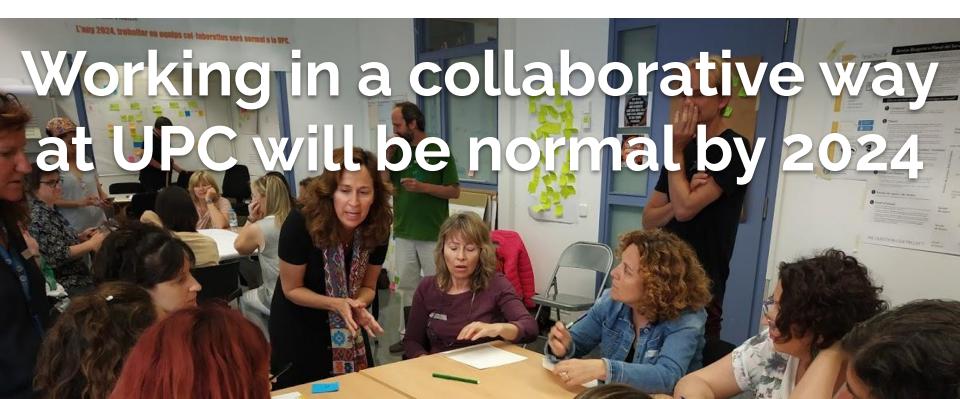
#### Energy saving plan:

Reduced 27% consumption & emissions UPC saved **4 M€** sense of belonging





### Our purpose (2014):





#### to share knowledge

#### to motivate people



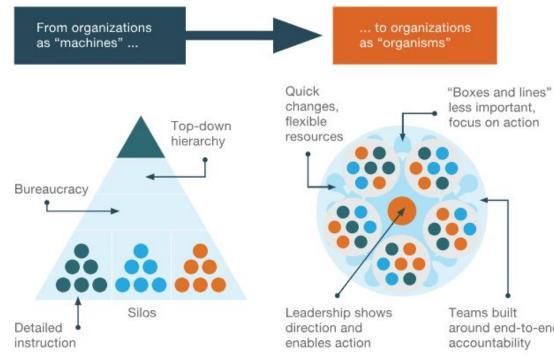
to improve the university

to take advantadge of all talent

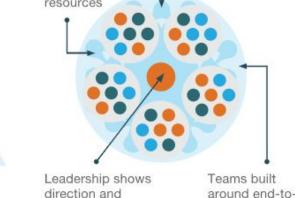
to gain flexibility



Rather than organization as machine, the agile organization is a living organism



#### McKinsey&Company



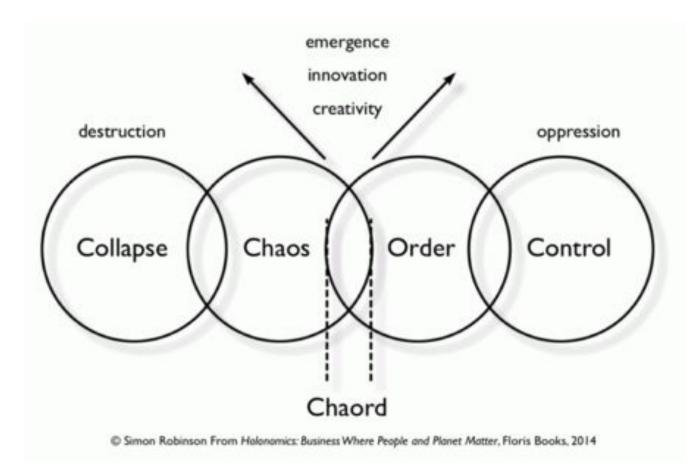
around end-to-end accountability



A Guide to Creating Organiz

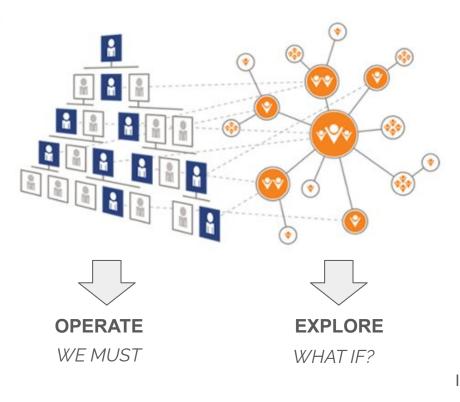
Inspired by the Next Stage of Human Consciousness

https://www.mckinsey.com/business-functions/organization/our-insights/the-five-trademarks-of-agile-organizations



## The Dual model: 1 organisation, 2 operating systems Different principles, different functions

- Mission
- Hierarchy
- Process
- Predictibility
- Efficiency
- Creates certainty
- Rigidity
- Hours

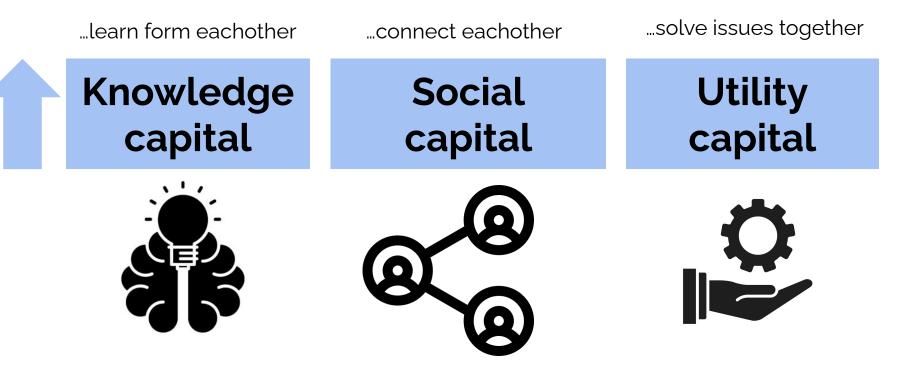


- Purpose
- Autonomy
- Project
- Emergence
- Resilience
- Generates value
- Flexibility
- Results

Image from "Accelerate", J.P.Kotter



## **3 impacts** By collaborating, we...



# are we doing the transformation at UPC?

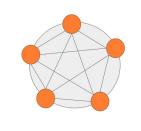
# Like swimming, we learn to collaborate by collaborating

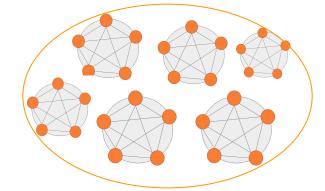
## 4 types of collaborative initiatives in Nexus24



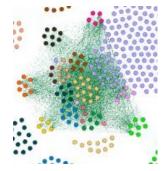
collaborative projects collaborative events







collaborative digital knowledge networks



#### 6 editions 150p

Learning to collaborate 25p/edition

#### 51 projects 348p

4-6 people Focus on a problem/idea Learning to collaborate

#### 73 events 615 p

20-150 people Collective intelligence Generating value

#### 2 networks 452 p

150-300 people Permanent network on a topic Knowledge management

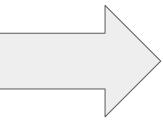




## Examples of collaborative projects

## **₩FUN**U!



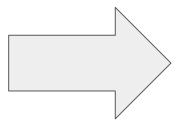


Problem: "Quality is boring" Solution: simplification of forms, creation of a community of practice of quality

PERMANENT NETWORK since 2016

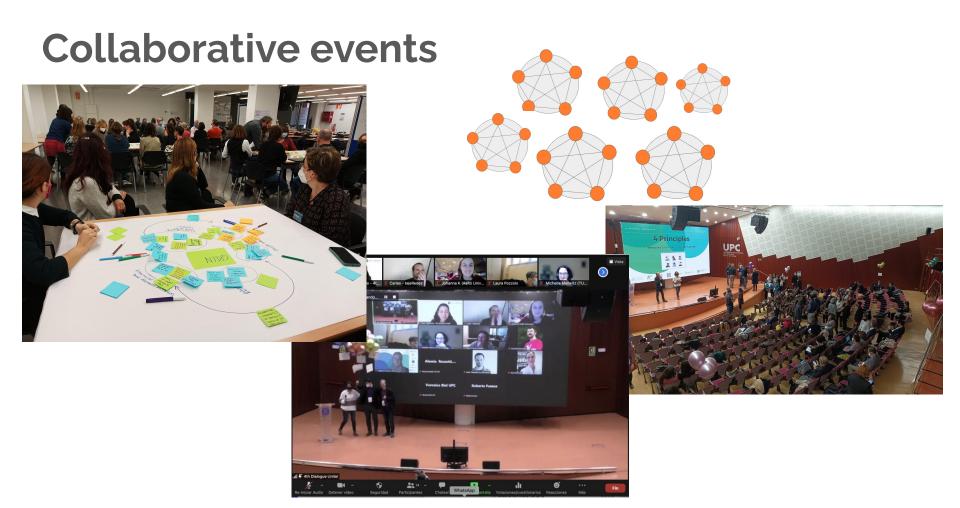
#### "Mail to ticket"





Problem: many hours lost in reading similar emails for recurring incidents Solution: automatic process to transfer emails in a ticketing system

AUTOMATIZATION

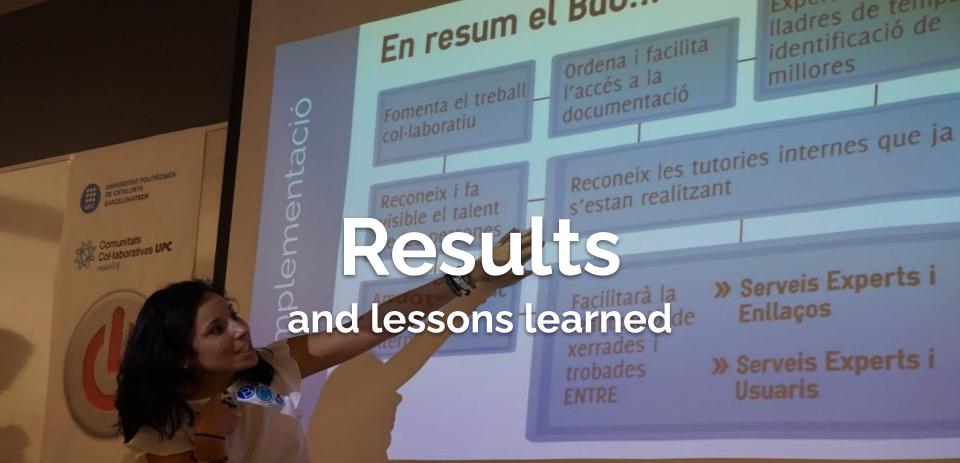


## Example: mapathon of accessibility



Available mapping tool at: <u>mapathon.upc.edu</u>





Sessic Final de Projectes

#### We want to visualize how collaborative work connects the university staff Collaborative\_events Collaborative networks Collaborative\_projects Collaborative\_learning 2014 2015 2016 2017 2018 2019 2020 2021

73 Collaborative events with 615 <u>different</u> people connected / 6 Collaborative yearly events with 150 <u>different</u> people connected 51 Collaborative projects with 348 <u>different</u> people connected / 2 Collaborative **digital** large networks with 452 <u>different</u> people connected

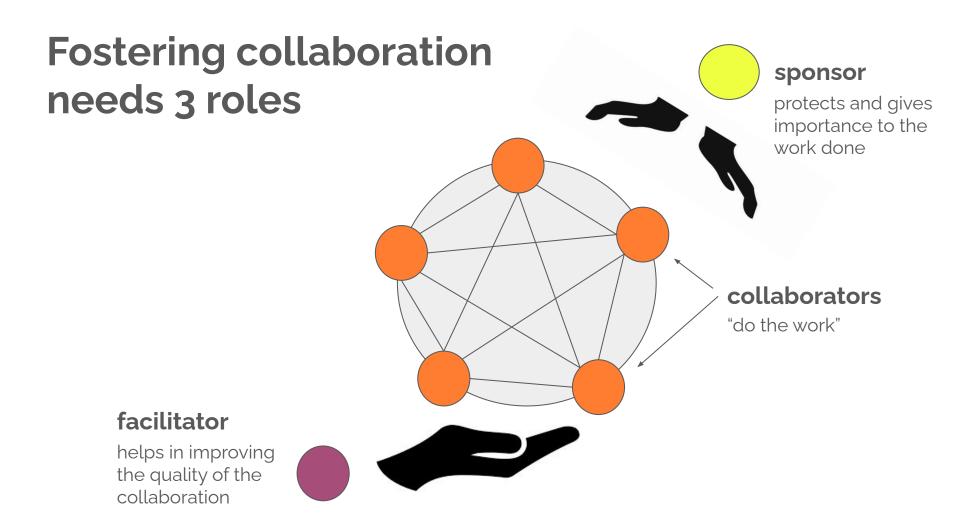
# Average path length -20%

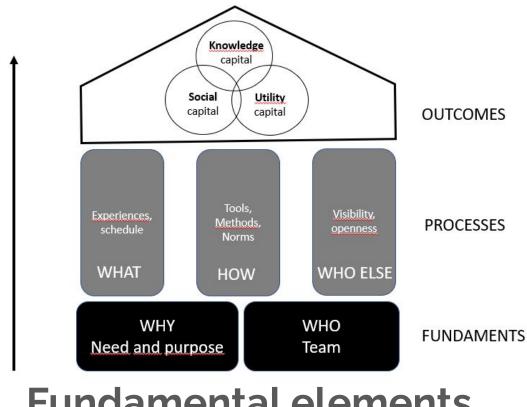
Nodes= 1450p admin. staff. Edges = collaborative projects Violet= Schools management units, Green= central services, Blue Libraries.

Simulation run on Gephi.

Both Library and campuses move to the center of the graph.

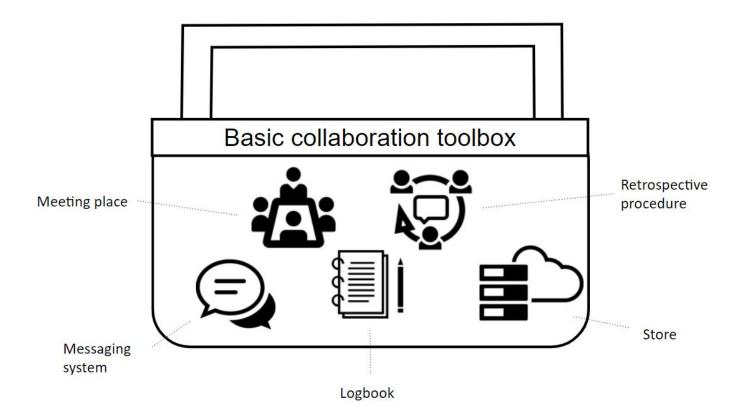
#### **BEFORE** Nexus24 collaborative projects (2014)



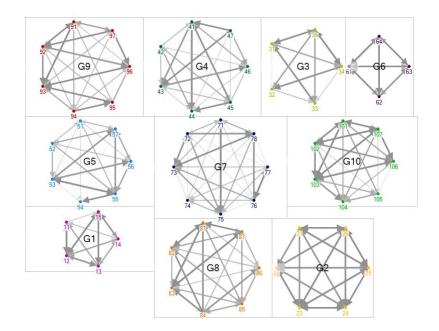


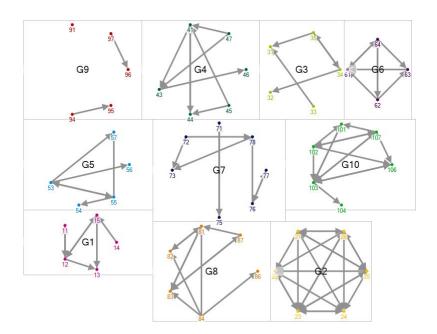
COLLABORATION

Fundamental elements of collaboration



## Dynamics in collaborative teams





Final studies Master thesis Lazzerini, Ginevra Marina <a href="https://upcommons.upc.edu/handle/2117/111013">https://upcommons.upc.edu/handle/2117/111013</a>

## Conclusions

- 1. **Give real value**. Everyone says "collaboration is important", but giving value means resources, tools, method, culture, attitude.
- 2. Effectivity + Affectivity: Care the human dimension -
- 3. Growing slow like a wood. 10Y process (8Y until now)
- 4. **Show and count collaboration!** The importance of visualizing & measuring collaboration (and the difficulty)
- 5. **Into the core of the HR strategy**. Collaborative competences in selection processes, retain and motivate people, collaboration management & facilitation can be a key a professional skill for admin staff.



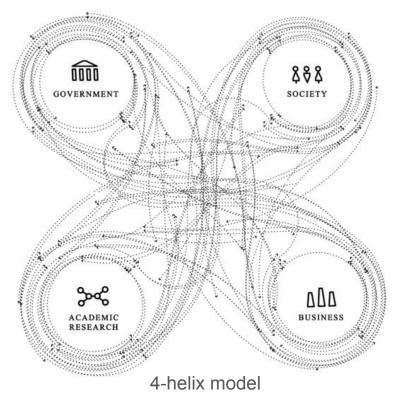


## Challenges and opportunities

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# In this "VUCA" world, embracing the collaborative mode is crucial for all -included universities-



## Our challenges

#### Manage the dual model internally



- → Make better use of *collective intelligence* processes & tools
- → Train and hire staff with collaborative competences
- → Ensure the heads of units to allow non-hierarchical collaboration to occur

## Expand the collaborative communities from the administrative teams to the whole university: academic, students, alumni, external...

- → Collaborative communities for relevant topics
- → Solid fundaments for collaborative learning (in the classroom)
- → Transdisciplinary research, citizen science and other social-centered research processes







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