

Swiss Public Health Conference 2021

 **Envisioning the future of public health  
from online co-creation events to open science**

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# Note to the reader

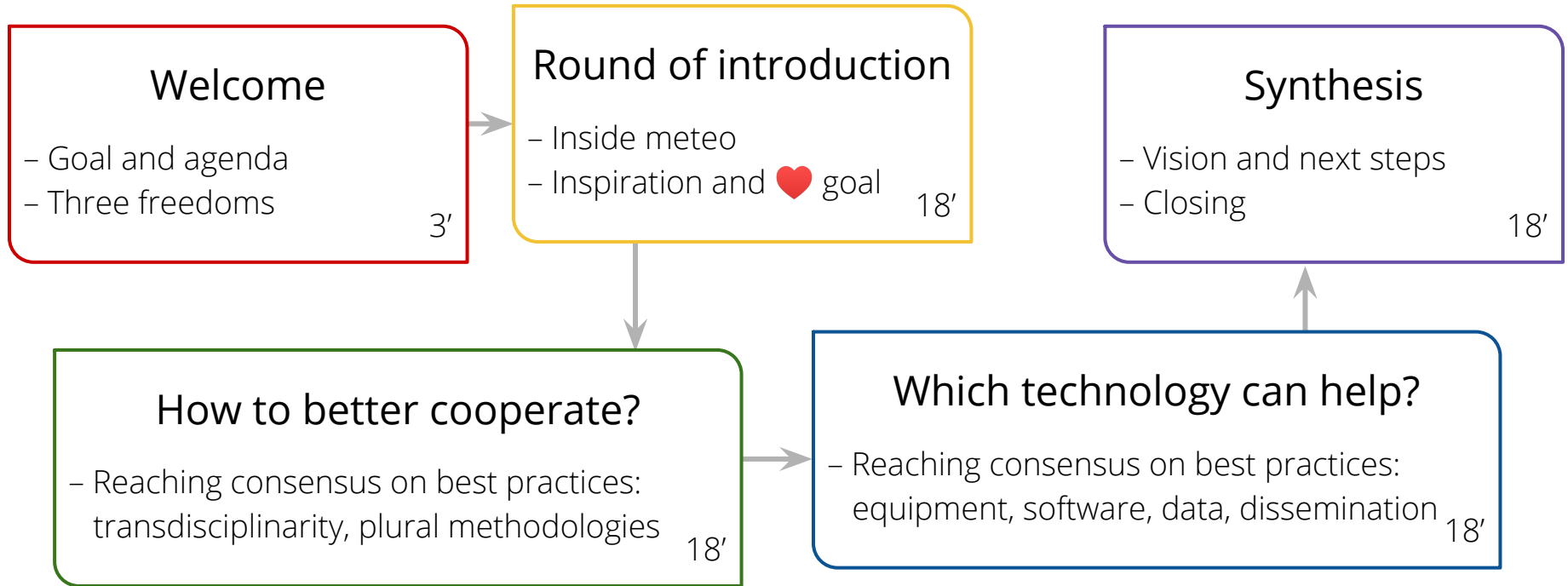
Today, most scientific conferences feature a series of pre-selected experts, who present their achievements (past). Here, I wanted participants to build on their respective, plural experiences, and sketch a common project (future).

By forming groups, which I did not attend, I provided a space for participants to actively listen to each other, and value cooperation among peers. Had I join these groups, participants would probably have competed against each other to get recognition from me as the 'authority' of this activity.

*Envisioning public health* requires a shift of perspective: believing that health can be thought by a few, without a personal commitment of each individual, without decisions consensually agreed by all, is for me a dangerous myth.

This presentation may provide insights towards building a health democracy.

# 75' to share practices, sketch a vision for Swiss PH



# Three freedoms



Enjoy exploring together

unusual practice may open new perspectives



Welcome active participation

relatedness and physical activity foster wellbeing

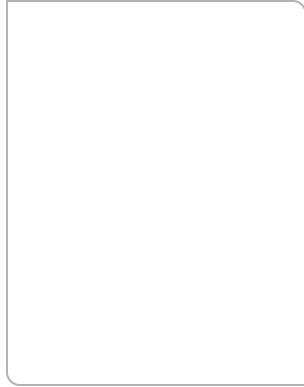


Webcam optional

less fatigue, 96% less environmental footprint

# Round of introduction (examples)

# Fabio




Inside meteo

Sunny with some clouds

A person who  
inspires me

Carl Gustav Jung for his journey of introspection  
and his discoveries on dreams and creativity

Goal close to   
in public health

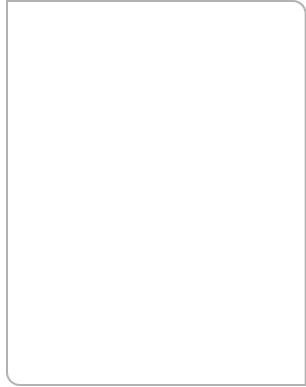
Ensure every person is involved in defining the  
rules that affect all

A key moment  
in my journey

Insight about creation-as-research: moving from  
planification to emerging knowledge

Other info

# Georg




Inside meteo

Sunrise

A person who  
inspires me

Aaron Antonovsky

Goal close to   
in public health

Making participation possible to increase  
control of your own lifes

A key moment  
in my journey

Changing perspective from medicine to public  
health

Other info

Worked on community organizing in California

# Constance

Inside meteo

Curious, nervous

A person who  
inspires me

Gloria Steinheim, US journalist and feminist -  
organizing feminist movement

Goal close to   
in public health

Nutrition, education of the public on how to stay  
healthy and promote healthy lifestyle

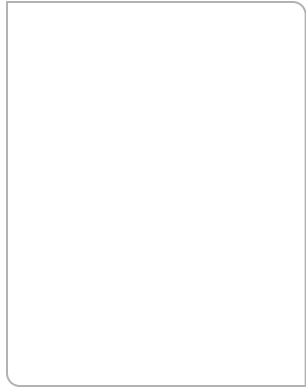
A key moment  
in my journey

Train as physician, transition to public health  
and start this path

Other info



# Your name




Inside meteo

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A person who  
inspires me

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Goal close to   
in public health

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A key moment  
in my journey

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Other info

**How to better cooperate?**

# 18' to share practices: How to better cooperate?

## In small groups

1. Agree on dynamics and roles (keep time, focus, inclusion, ...)
2. Reach consensus on three best practices / recommendations

9'



## All in circle

3. Aggregation of small group results
4. Fabio's input

9'

# Aggregated reflexions

- good communication culture and strategy helps create a better ambiance and get good psychical security, be authentic and not to worry about being blamed or criticised,
- engaging people see more than the skills the person has for the job, also see their talents, example of someone painting in free time vs someone playing football: both could contribute differently to a given situation it also depends on the culture, how the group wants to move forward
- importance to value different perspectives not only at a methodological but also at human level, people can have different value sets and still a common, shared purpose, ideally developed in a participatory way

# Fabio's inputs

From Balli's report on open science. In press.

## A. Forming a team

Leaders at all levels should **value the quality of cooperation rather than competition between individuals and teams**. This would improve the working climate, the quality of research, and increase collective performance.

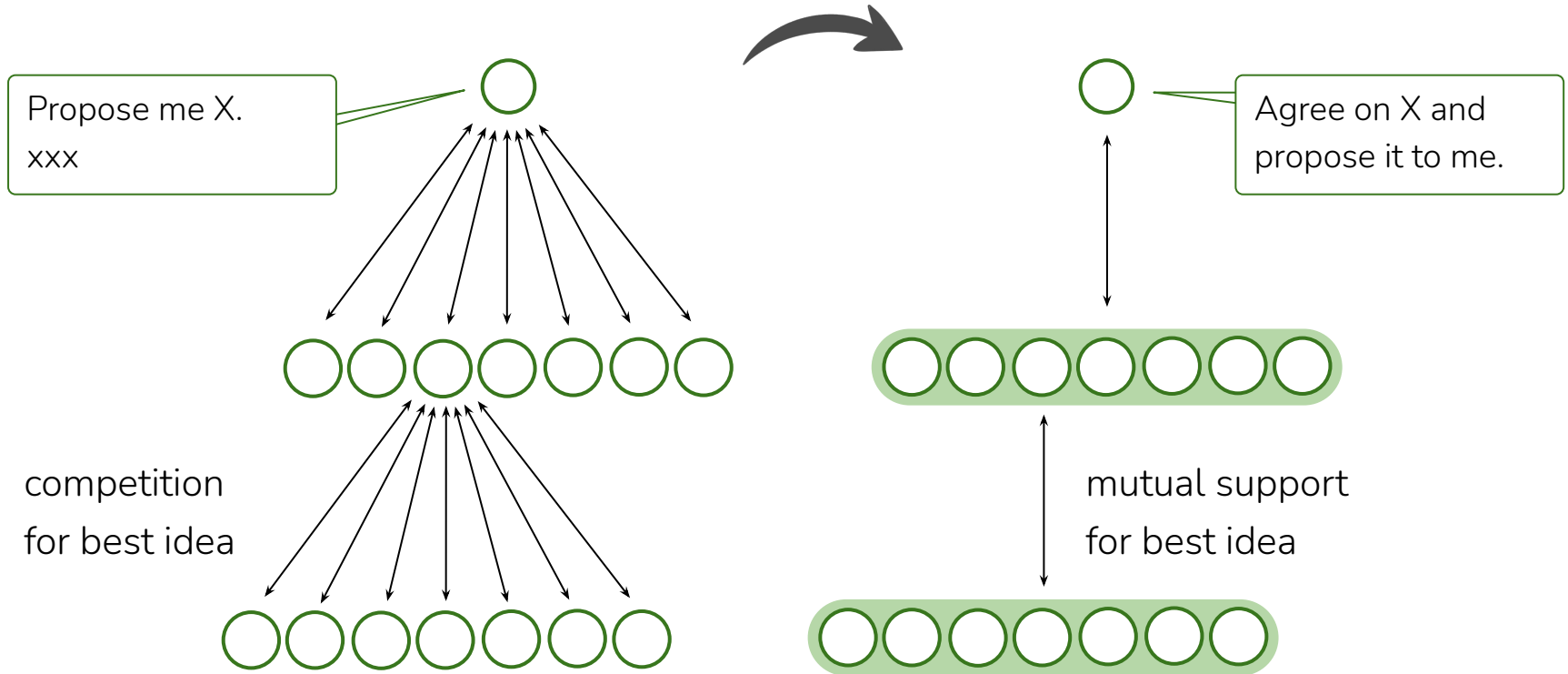
## B. Developing a methodology

Scientific institutions should **ensure that research is representative of a plurality of legal and methodological perspectives**. The richness in currents of thought and participating communities would boost discoveries.

## C. Building commons

**Discoveries generated by public funds should remain in the public domain**. This would allow all interested individuals and communities to benefit from these discoveries, and to be able to enrich them.

# Example



**Which technology can help?**

# 18' to share practices: Which technology can help?

## In small groups

1. Agree on dynamics and roles (keep time, focus, inclusion, ...)
2. Reach consensus on three best practices / recommendations

9'



## All in circle

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4. Fabio's input

9'



# Aggregated reflections

- data  
tech can bring a lot of data and information, from patient data to epidemiology, there is need for intelligence, to define what to do, which solutions
- approach  
see how tech can help patient get closer to care, to improve treatment, for ex. with telehealth, web-approaches that increase abilities
- better treatments  
not only vaccines but also other drugs, for ex improving antibodies, investments needed to get the right solutions as soon as possible

# Fabio's inputs

From Balli's report on open science. In press.

## D. Choosing equipment and software

Public funds should **finance freely adaptable research software and equipment developed in peer networks**. This would make these tools accessible to minority communities and fund the development of local skills.

## E. Collecting and analysing data

**Data from public and private studies with an impact on more than a thousand people should be made freely available without the possibility of identifying sensitive individuals or groups**. Access to data from minority communities would facilitate new local and international studies.

## F. Teaching

Universities should train **teachers in andragogy and the co-creation of open access non-English contents**. Access to studies should be free of cost.

# Examples

## HEALTH TECHNOLOGY AS COMMONS: TRUSTABLE, AFFORDABLE, ADAPTABLE

Geneva Health Forum 2020 · Open Village · [www.openvillage.ch](http://www.openvillage.ch)

6 in 10 humans still have no access to care, or do not adhere to it, despite rising investments.<sup>1-3</sup>

Alcohol-based hand rub<sup>4</sup> and WikiMed<sup>5</sup> illustrate how creating freely reproducible equipment and software with communities can: save millions of lives, increase integrity, cut costs by 90%.

Cooperation-driven care is the only way to realize the 2030 agenda in time: health for everyone.<sup>6</sup>

We present nine alternatives to the dominant proprietary excluding innovation model, to drive development towards a responsible, solidar society.

### Hand prosthesis to ease one's daily life

A prosthetic hand usually costs 6-10 K€. Enable brings together over 30000 volunteers who design and distribute 3D-printed prostheses to vulnerable people. [www.enablingthefuture.org](http://www.enablingthefuture.org) + [www.gre-nable.fr](http://www.gre-nable.fr) + [www.enablenepal.org](http://www.enablenepal.org)



### Drugs produced with integrity

India has a pioneer approach in pharmaceuticals. Open Source Drug Discovery brings together 7900 people who collectively develop open-source, low-cost therapies for neglected diseases such as tuberculosis, malaria, leishmaniasis. [www.osdd.net](http://www.osdd.net)



### Open-sourcing MRI could save the German healthcare over 200 M€ yearly<sup>7</sup>

Medical imaging is crucial in diagnosing, understanding and treating a number of diseases. The Open Source Imaging initiative gathers experts to create MRI scanners that can be built and maintained for a fraction of the cost of current MRIs. [www.opensourceimaging.org](http://www.opensourceimaging.org)



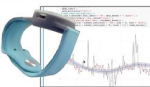
### Ultrasound scanner in the pocket

One in three persons have access to medical imaging. A portable ultrasound device usually costs 8-22 K€. EchOpen develops a probe to visualise organs on a smartphone. It helps guide the diagnosis and make patient management more fluid. [www.echopen.org](http://www.echopen.org)



### Detecting seizures with wearables

50 million people have epilepsy, 1/3 are drug resistant. Epileptic seizures lead to daily stress and social exclusion. We develop wearables and software to log and analyse biological data. [www.aura.healthcare](http://www.aura.healthcare) + [www.openhumans.org](http://www.openhumans.org) + [www.cri-paris.org](http://www.cri-paris.org)



### Making air pollution a visible matter



Download in English, French,  
Spanish, Portuguese, Russian,  
Chinese, Hindi, Bengali, Arabic  
<http://www.openvillage.ch>

# Synthesis

# Closing remarks

- Input on the importance to have a space to raise open issues such as long-term impact of covid / vaccines / alternatives for specific populations such as people suffering from fibromyalgia

A core goal of public policy should be to facilitate the **development of institutions that bring out the best in humans.**

We need to ask how diverse polycentric institutions help or hinder the innovativeness, learning, adapting, trustworthiness, levels of cooperation of participants, and the achievement of more effective, equitable, and sustainable outcomes at multiple scales.

Elinor Ostrom  
first woman awarded the Nobel in Economics

Thank you

