large-scale hackathons:
optimizing cooperation to saves lives

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Today, a coronavirus hackathon can mobilize 1000s of volunteers. [1]

60000 people may join the European Union event on April 24-26. [2]

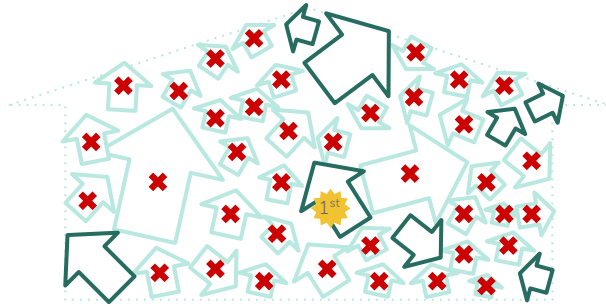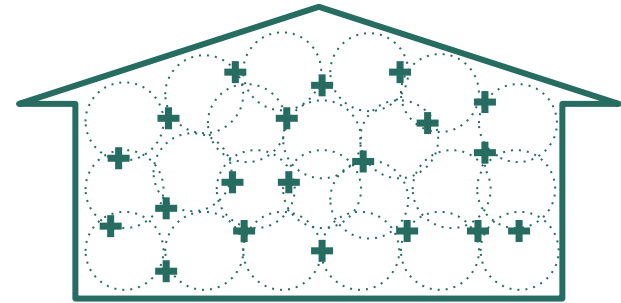**How many lives saved** if 6000 teams compete? If they collaborate? [3]

Could we get inspired by watching how body parts work?

Yesterday's hackathons

- host sets the topic agenda, awards
- teams of participants compete to build projects
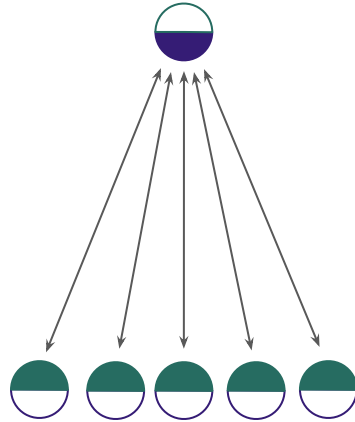- finally: few rewarded, **most work discarded**

Today's hackathons?

- host sets the topic agenda, awards
- teams cooperate to build **1 meaningful project**
- finally: **all rewarded**, most work valued

Adapted from Laugeri. Emerging Change. TAJ 2020.

Enhancing our group dynamics

1 goal

5 competing
projects

1 goal

1 agreed
project
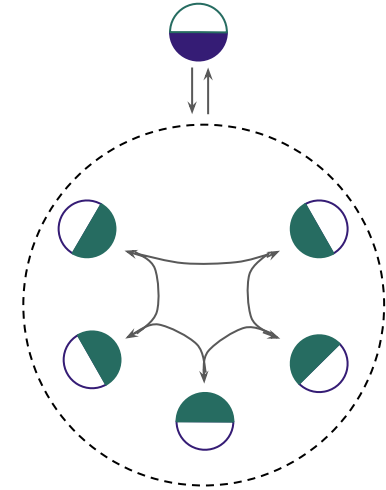
· participants seek host recognition (power plays)
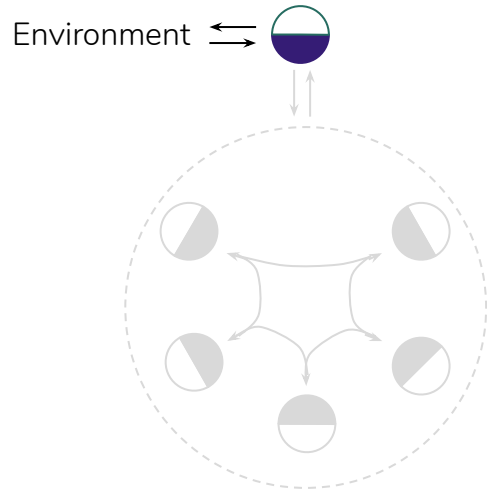· host is overwhelmed
· scarcity → wasted motivation and resources

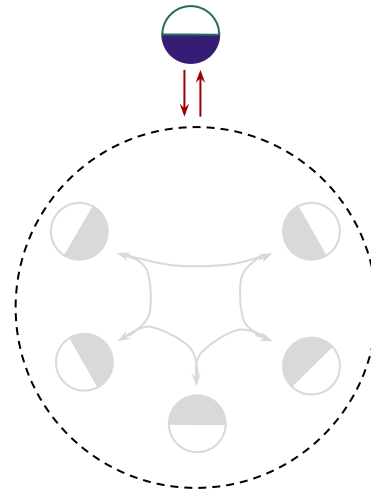· participants seek mutual recognition (respect)
· host has time for internal / external coordination
· abundance → mutual support and creativity

Adapted from Laugeri. Emerging Change. TAJ 2020.

Three contracts

Environment

Vision Contract

Mission Contract

Cooperation Contract

Adapted from Laugeri. Emerging Change. TAJ 2020.

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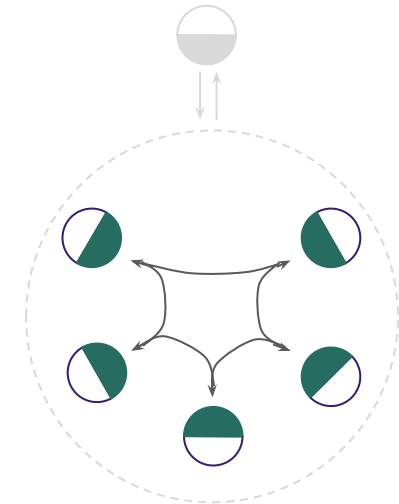
Four steps implementation

1. Vision Contract

The host shares the dream and sets the workframe.

Environment

"We save a maximum of lives by developing together one only ventilation machine through **one** only project."

Adapted from Laugeri. Emerging Change. TAJ 2020.

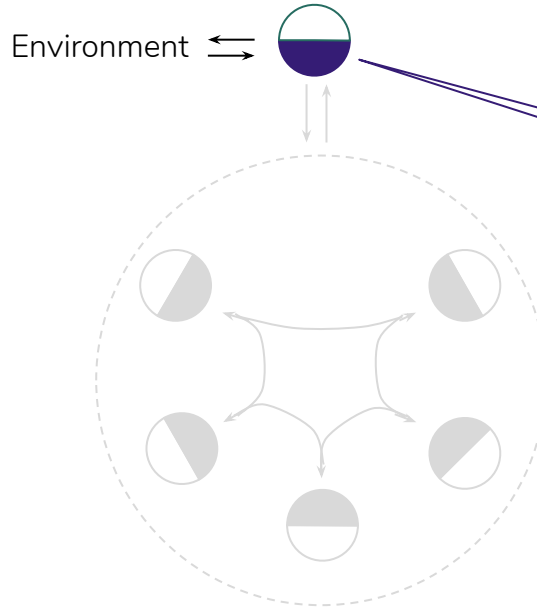# Four steps implementation

2. Mission A Contract

The host proposes
a way of interacting
according to his/her needs
to the group of participants.
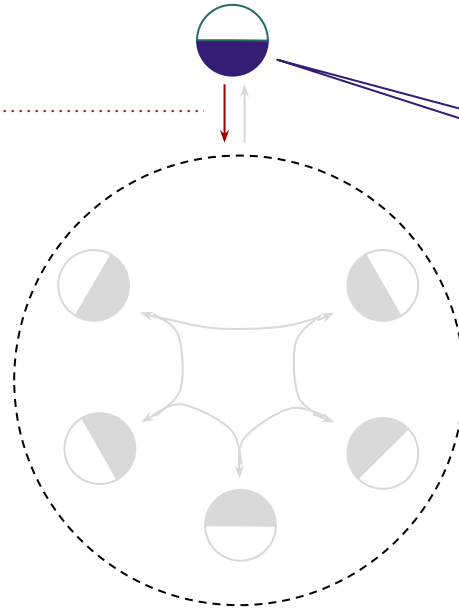
1. "I propose that we meet
   twice a day for an hour."

2. "Meanwhile, please
   discuss with each other,
   and get to an agreement
   on one single project.
   I am available to help."

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Four steps implementation

3. Cooperation Contract

Participants present their ideas for one project. They listen/give positive strokes and ask questions. Then, each shares his/her preference. The purpose of the discussion is to collectively select one project.
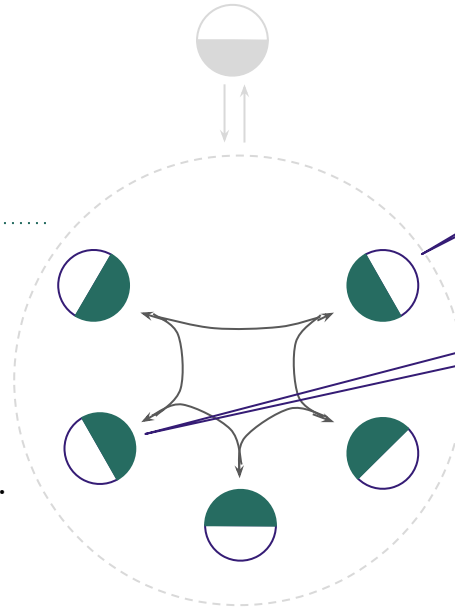
"Let's sort out and analyse the different propellers of the ventilation machines."

"Yes, let's organize subgroups and work on each machine part!"
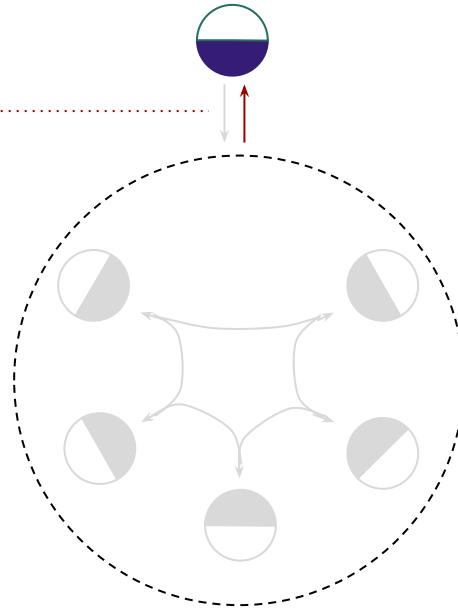
etc.

Adapted from Laugeri. Emerging Change. TAJ 2020.

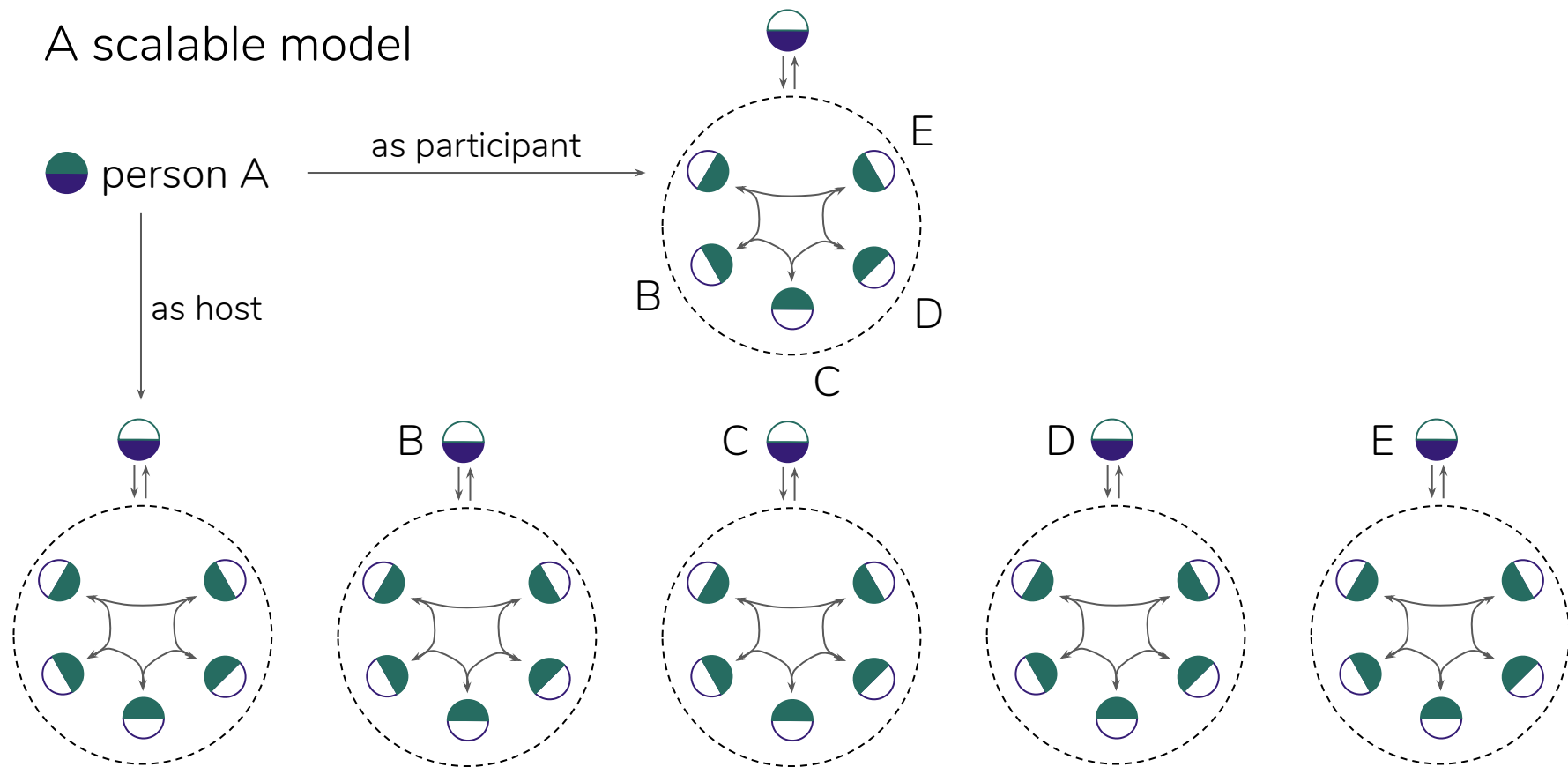# Four steps implementation

2. Mission B Contract

Participants give feedback
as one voice to the host,
for the host to coordinate
information to the whole
group (other teams
working in parallel).
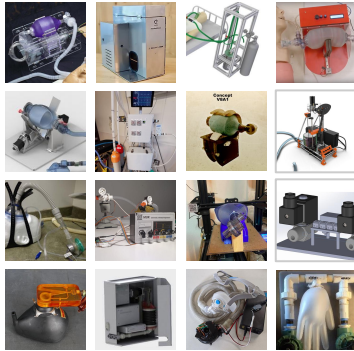
1. "We agree to meet
   30 minutes twice a day."

2. "For step one, we
   agreed to sort the
   machines by categories
   of parts."

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A scalable model

person A

as participant

as host

B

C

D

E

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The secret

1 **one** modular ventilation machine

✓ collaboratively created [1]

✓ community-based [2]

✓ improved by cycles [3]

✓ fully documented [4]

✓ peer reviewed impact [5]

✓ freely reproducible [6]

✓ contributors rewarded [7]

1. Laugeri. Emerging Change. TAJ 2020.
2. Benkler. Open Access and Information Commons. Oxford 2016.
3. see agile methodology, open collaboration
4. see open notebook approach
5. see open access peer review
6. see copyfair licences, free/libre software, open-source hardware
7. see value flows, value accounting

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Should you feel inspired and be determined to cooperate this way, I would be glad to share the approach and discuss it with you. :)

Feel welcome to

· comment this presentation

· edit a copy: www.openvillage.ch/model/edit

· contact me: cooperation@openvillage.ch

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Emerging Change practitioner
Lead, Open Village

The Open Village is a hands-on event to explore how open hardware can improve access to health and reduce medical public spending.
It will take place during the Geneva Health Forum, from November 16 to 18, 2020. The Open Village is also supported by the Open Geneva festival.

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