

FAB LAB PARAMARIBO



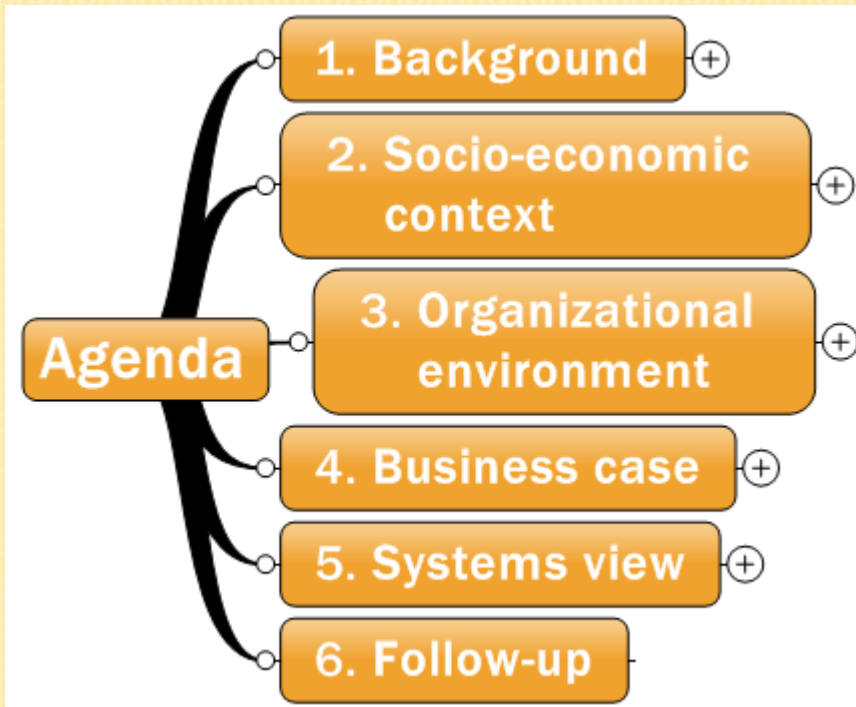
SETTING-UP A FAB LAB AS INNOVATION INSTRUMENT IN A DEVELOPING COUNTRY

THE FAB LAB PARAMARIBO SURINAME CASE

Pieter van der Hijden (Sofos Consultancy)

FabLabCon2013, September 9, 2013, Aachen, Germany

AGENDA

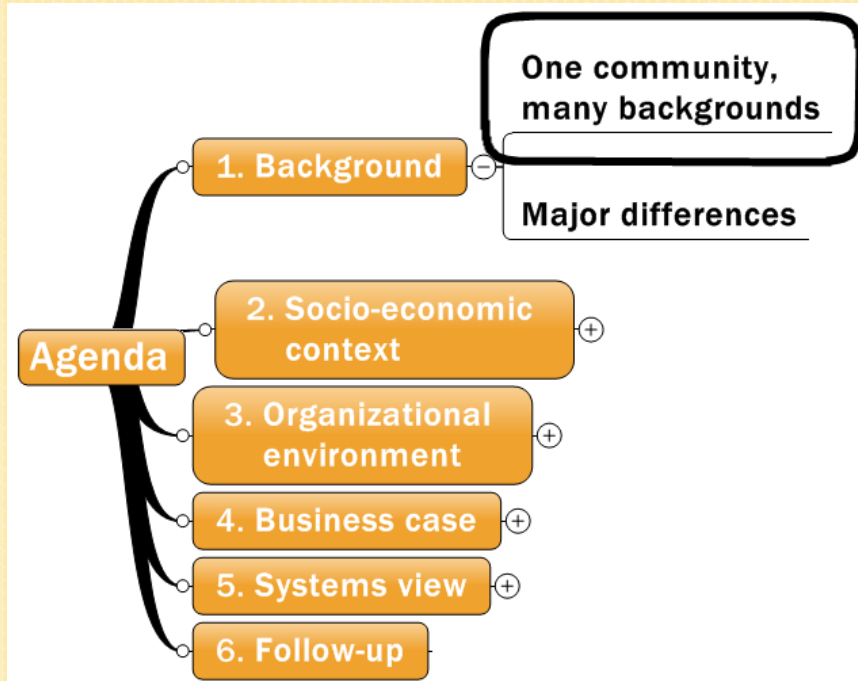


Pieter van der Hijden
(Sofos Consultancy):

- ✘ Co-founder and ex-chairperson International Fab Lab Association
- ✘ Consultant on setting-up a Fab Lab in Paramaribo Suriname



1. BACKGROUND



Picture Frosti Gíslason 2010

Fab6 2010: 50 Fab Labs, doubling every 1.5 years, Fab9 2013: 200+ Fab Labs

1. BACKGROUND

One community,
many backgrounds

Major differences

1. Background

2. Socio-economic
context

3. Organizational
environment

4. Business case

5. Systems view

6. Follow-up

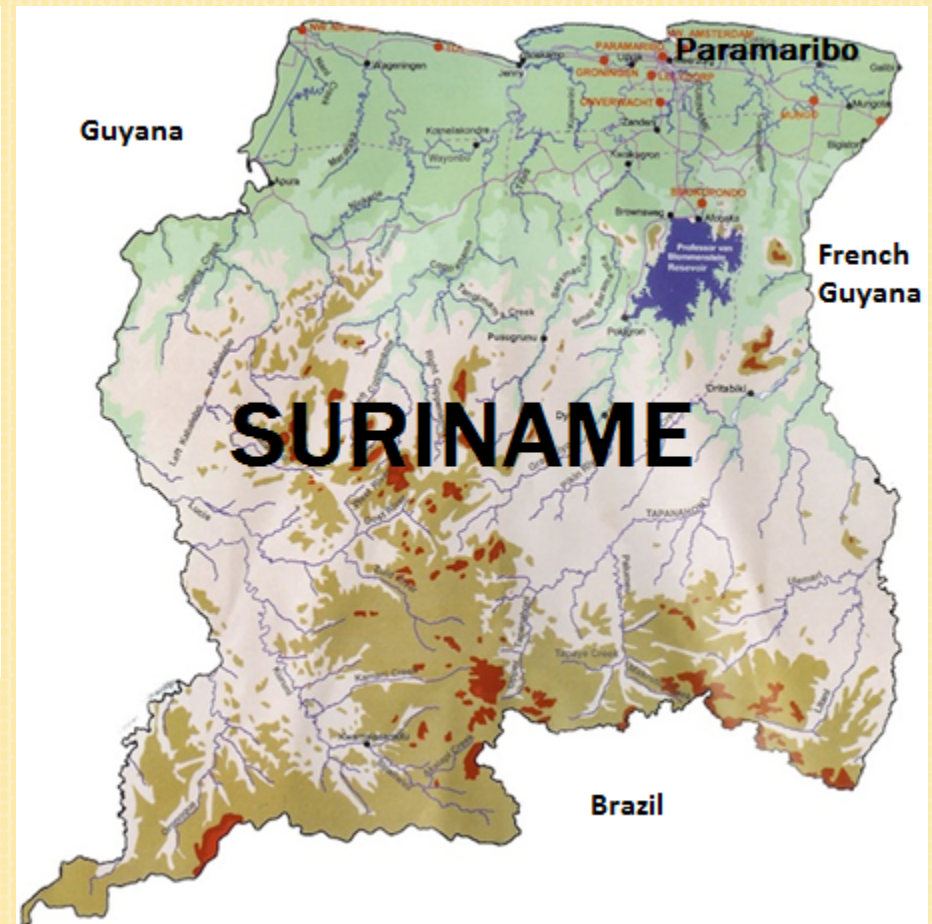
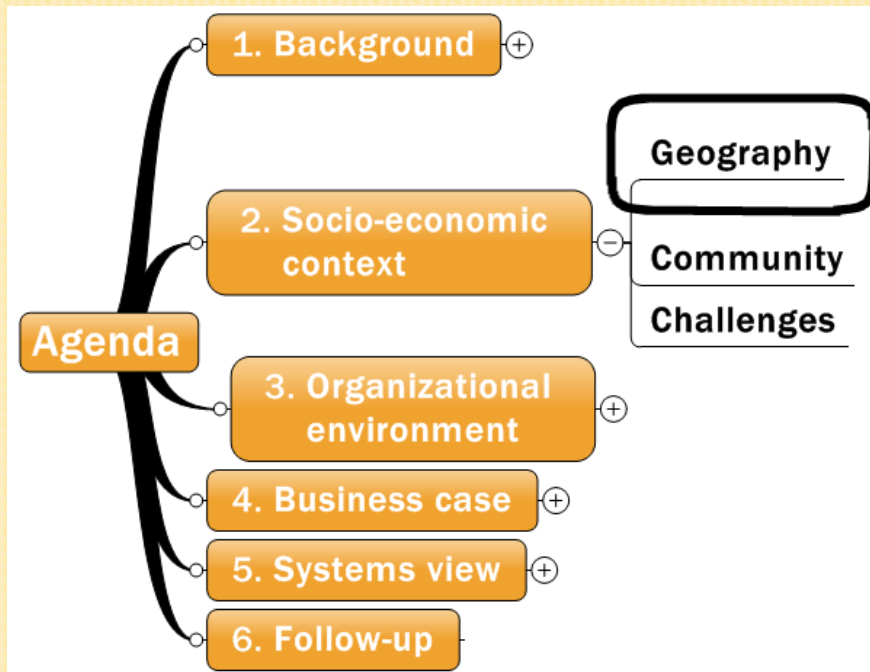
Agenda

Major differences:

- ✗ Target groups
- ✗ Services offered
- ✗ Life cycle stage
- ✗ Old industrial building / new modern design studio
- ✗ Autonomous / embedded
- ✗ Subsidized / self-supporting
- ✗ Rich / poor neighborhood / country

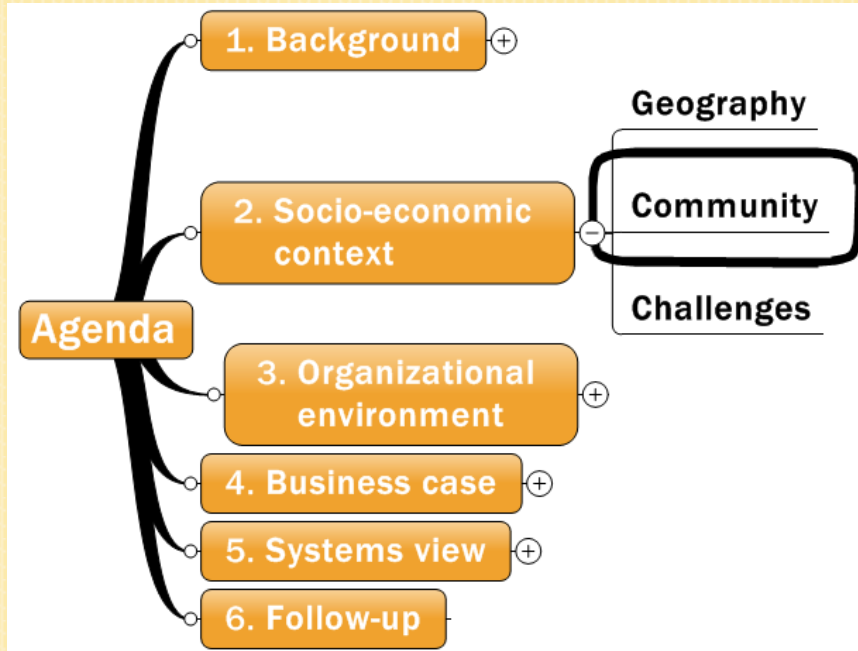


2. SOCIO-ECONOMIC CONTEXT



Suriname is situated at the North coast of South America, part of the Caribbean. Paramaribo is its capital.

2. SOCIO-ECONOMIC CONTEXT



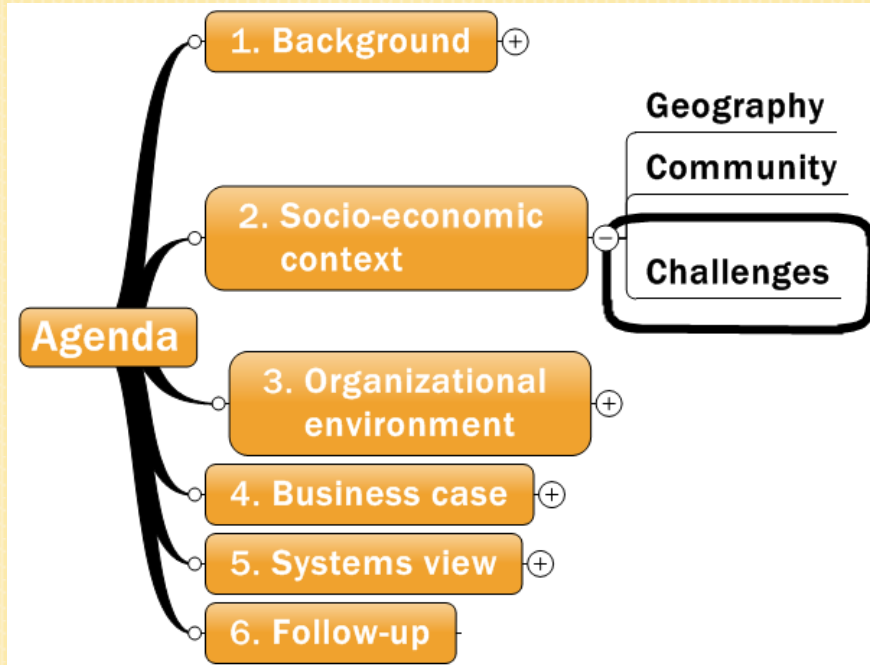
✘ Suriname: community



Amerindians, Creoles, Hindustani, Javanese, Maroons, Chinese, Europeans, Jews, Lebanese, Brazilians

| Suriname | Area | Pop. | Activity |
|----------------|---------------|---------|-------------------------------|
| Coastal plains | 10% | 90% | Agriculture Services |
| Interior | 90% | 10% | Minerals (gold), petroleum |
| Total | 400 x 400 kms | 530,000 | |

2. SOCIO-ECONOMIC CONTEXT

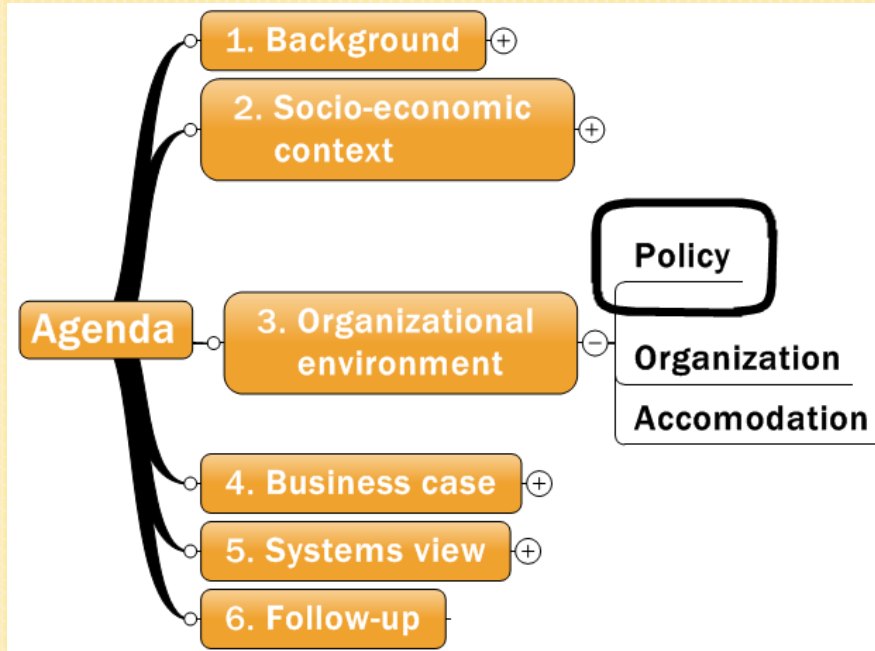


Picture PTC

Suriname Challenges:

- ✘ Introducing high tech in all sectors: New industries, Innovative products, Pioneering processes, Higher standards
- ✘ Avoiding damaging the environment
- ✘ Improving productivity
- ✘ Increasing the manufacturing industry
- ✘ Finding new agricultural products
- ✘ Raising higher interest for technical professions
- ✘ Lowering the number of dropouts

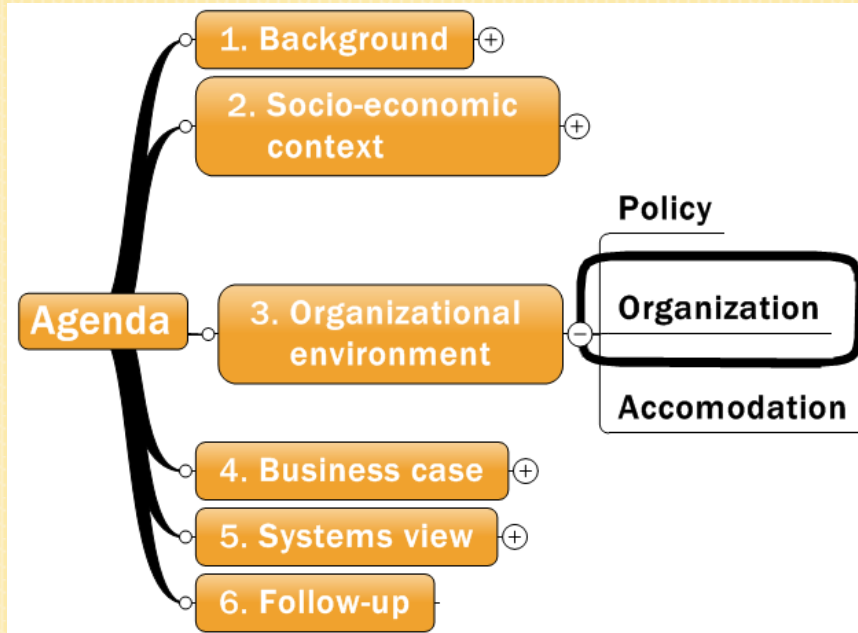
3. ORGANIZATIONAL ENVIRONMENT



Fab Lab Paramaribo is a policy instrument of the government:

- ✘ Extra visibility
- ✘ Extra attention from politicians and media
- ✘ Not their only priority
- ✘ Sustainable?

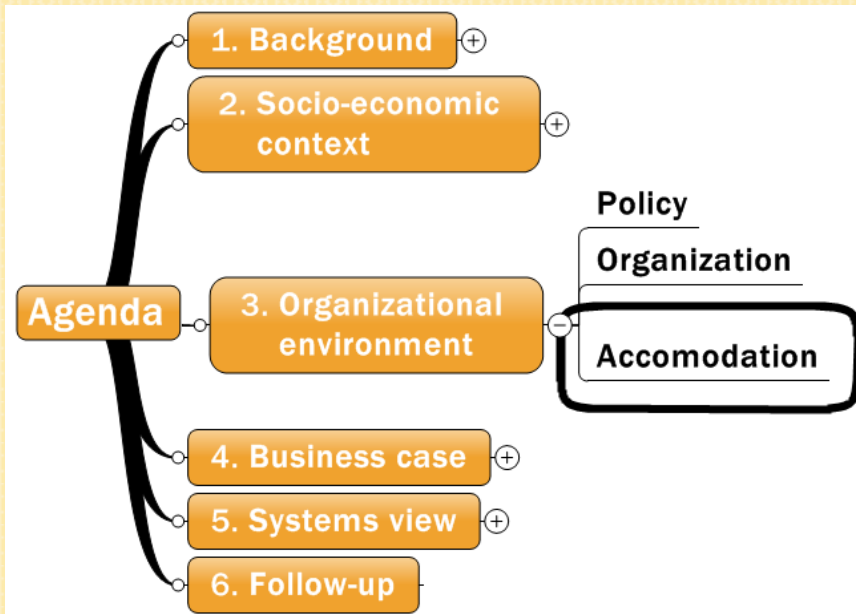
3. ORGANIZATIONAL ENVIRONMENT



Fab Lab Paramaribo is part of the Cabinet of the Vicepresident:

- ✘ Close to the center of power
- ✘ Procedure oriented culture

3. ORGANIZATIONAL ENVIRONMENT

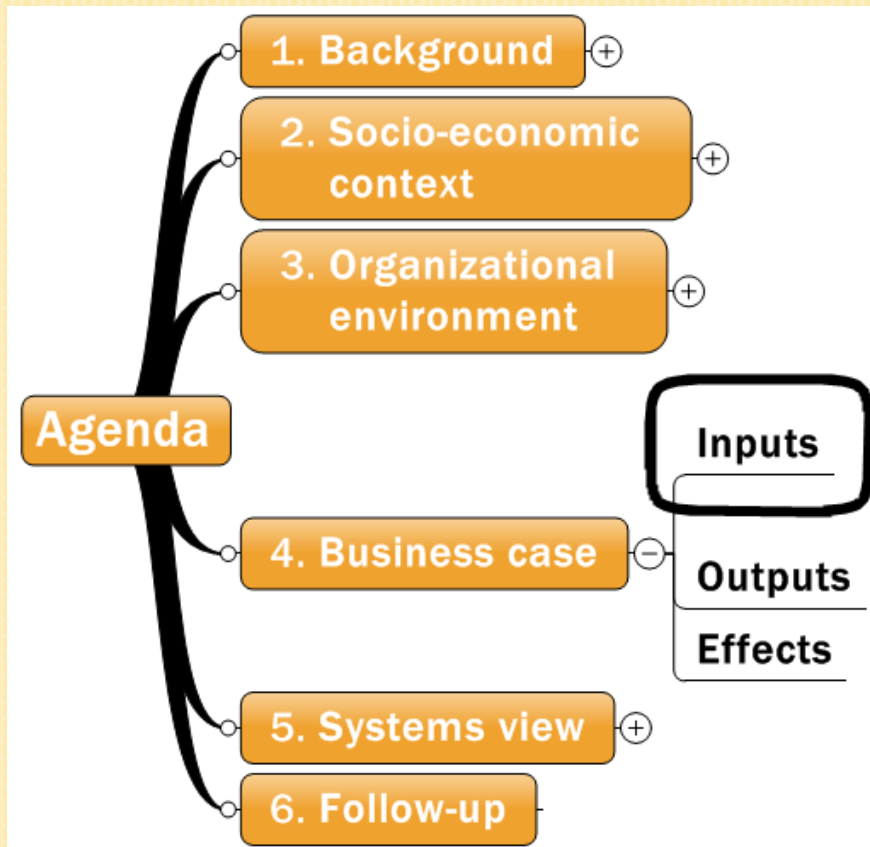


Fab Lab Paramaribo is located in the central Government Building:

- ✗ High level officials / visitors
- ✗ Barrier for free and open access



4. BUSINESS CASE

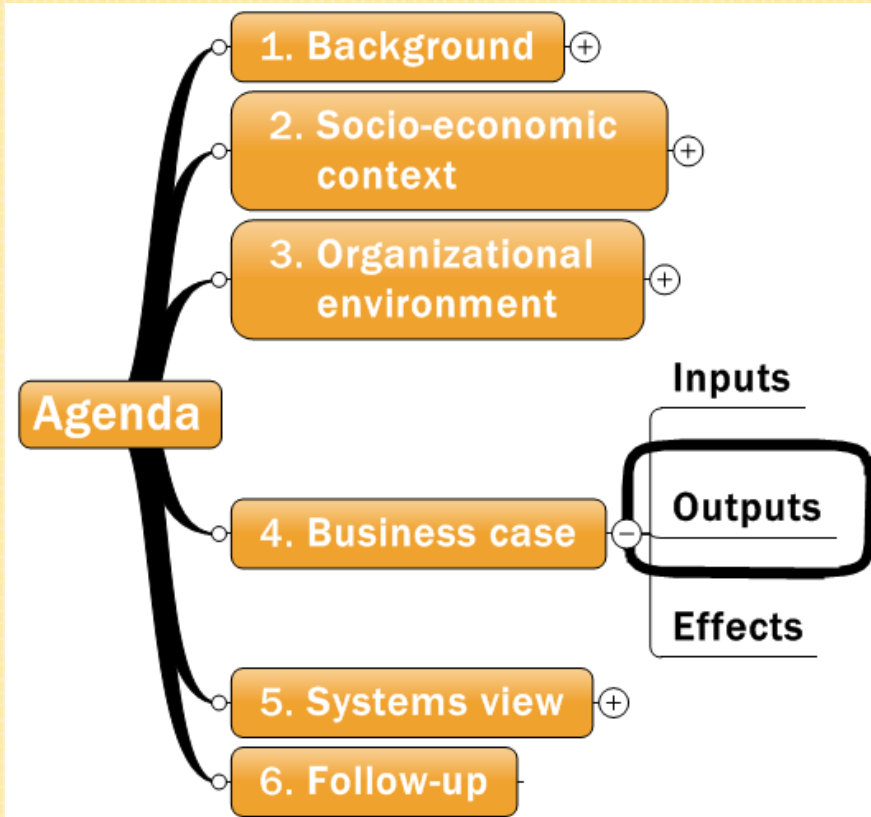


Fab Lab Paramaribo: Inputs

- ✘ Initial funding from government budget
- ✘ Annual funding from government budget
- ✘ Volunteers / Fab nomads
- ✘ No long term commitments



4. BUSINESS CASE



Fab Lab Paramaribo: Outputs

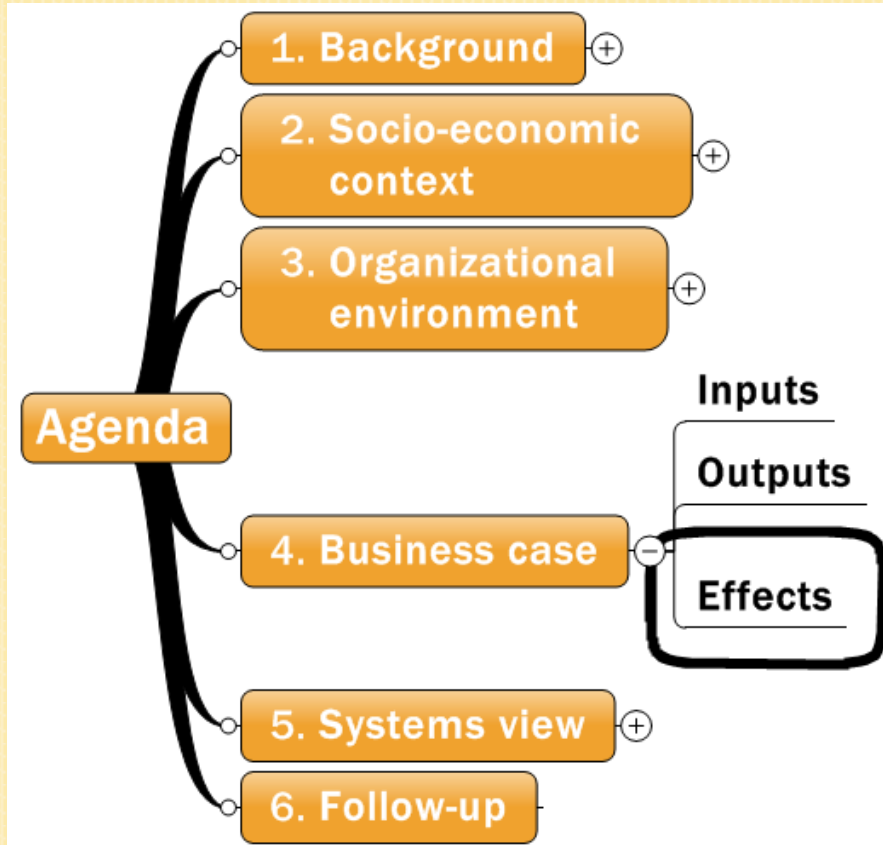
- ✗ Opening hours
- ✗ Number of visitors
- ✗ ...

Outcomes

- ✗ Informed citizens
- ✗ Learning outcomes
- ✗ Business initiatives



4. BUSINESS CASE

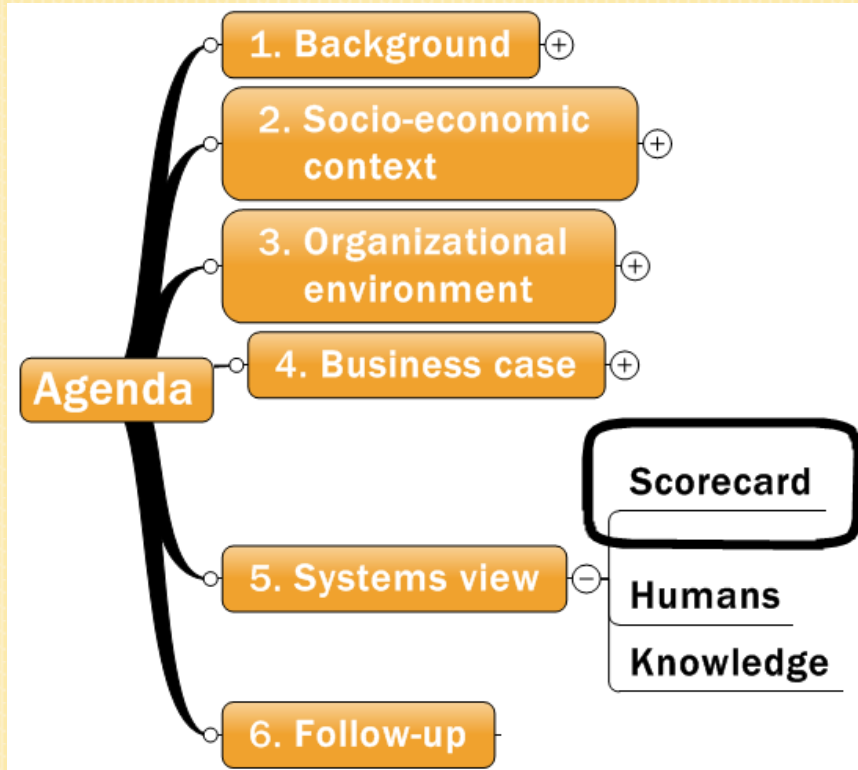


Fab Lab Paramaribo: Effects

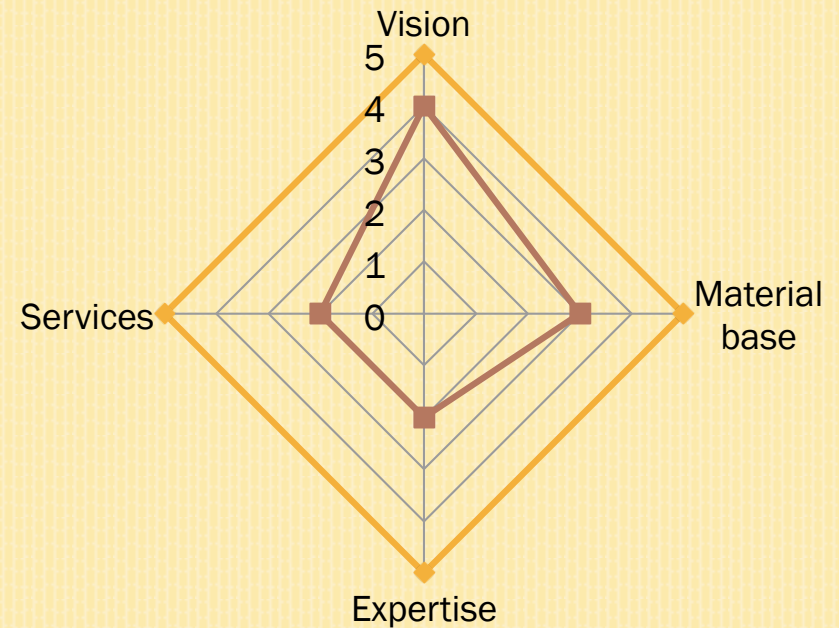
- ✗ Technology more popular
- ✗ New businesses
- ✗ New products and processes
- ✗ International visibility and cooperation



5. SYSTEMS VIEW

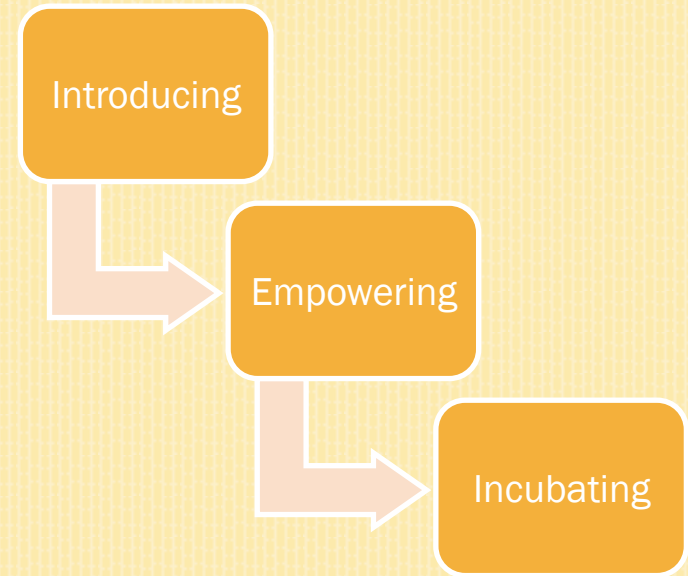
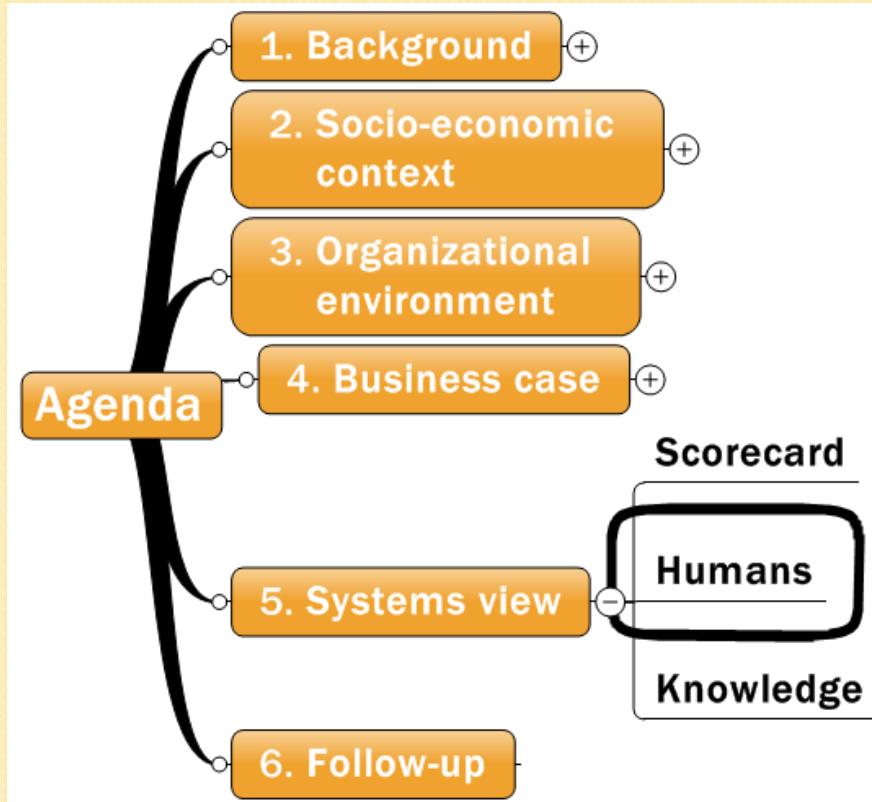


Scorecard



—◆— Planned —■— Actual

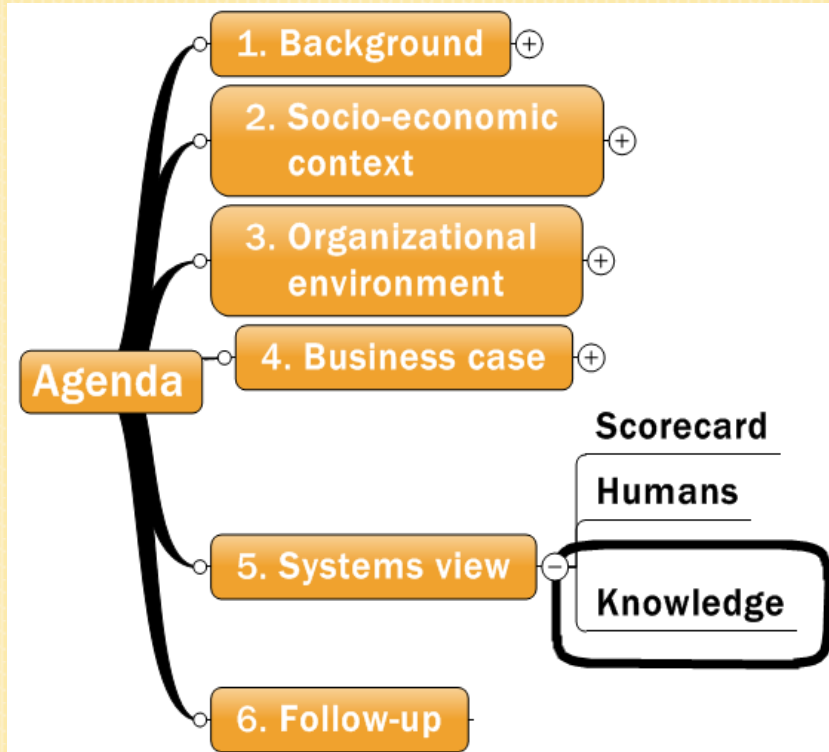
5. SYSTEMS VIEW



Humans systems view:

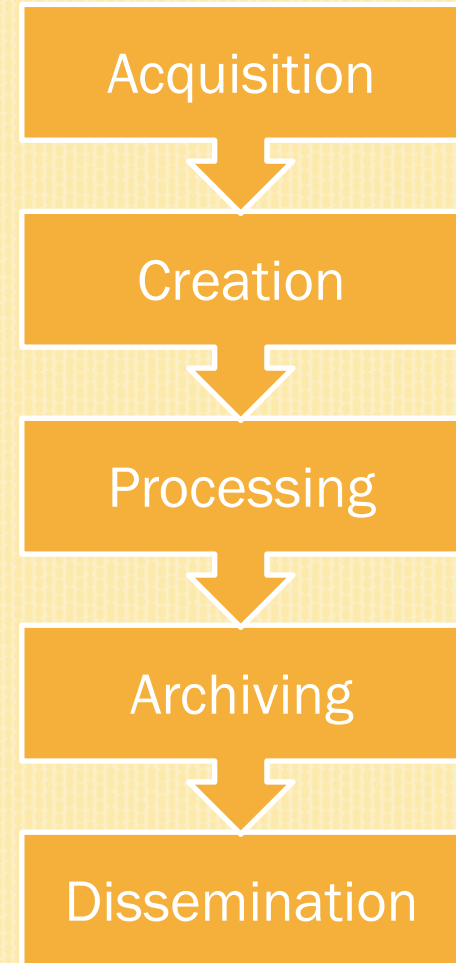
- ✘ No isolated processes for different target groups
- ✘ Systems approach to “convert” 100 visitors into 10 users into 1 new entrepreneur

5. SYSTEMS VIEW



Knowledge management systems view:

- ✘ Not only documenting user experiences as Fab Moments
- ✘ But also building a knowledge management ecosystem

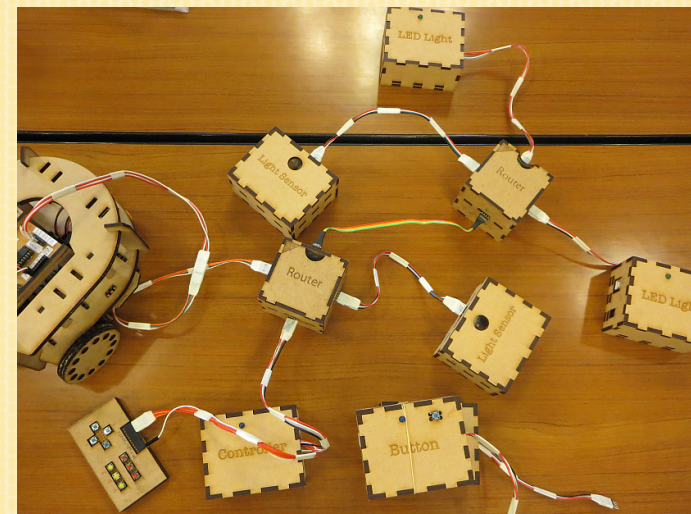


6. FOLLOW-UP



Practice oriented follow-up:

- ✗ Continue setting up Fab Lab Paramaribo
- ✗ Collaborate and exchange with peers
 - + Socio-economic context
 - + Organizational context
 - + Business case



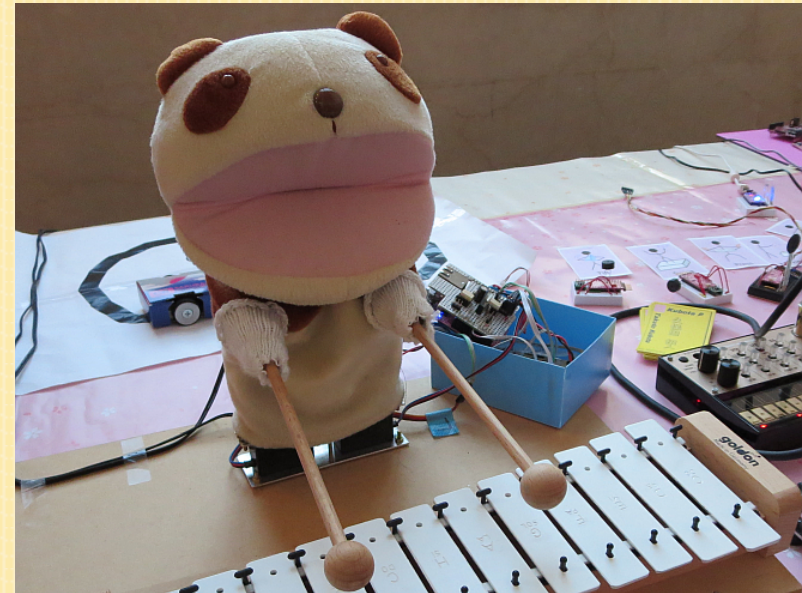
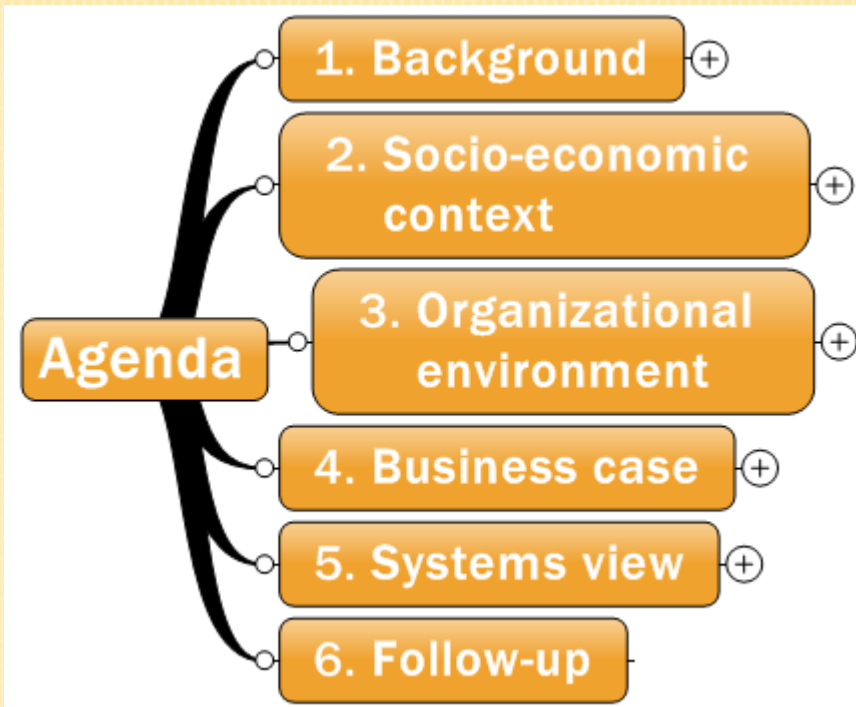
6. FOLLOW-UP



Theory oriented follow-up:

- ✘ Study the differences between Fab Labs and derive main characteristics

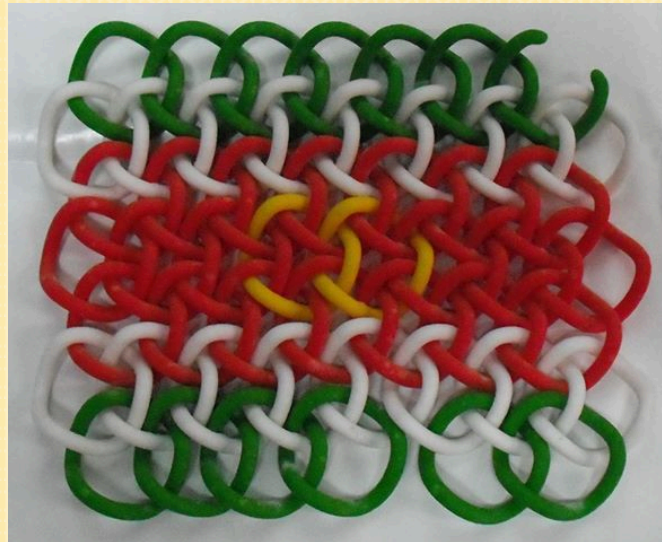
THANK YOU!



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WELCOME IN SWITI SRANAN



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