



# How to align your Fab Lab / Makerspace with the U.N. Sustainable Development Goals (SDGs)

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# Agenda



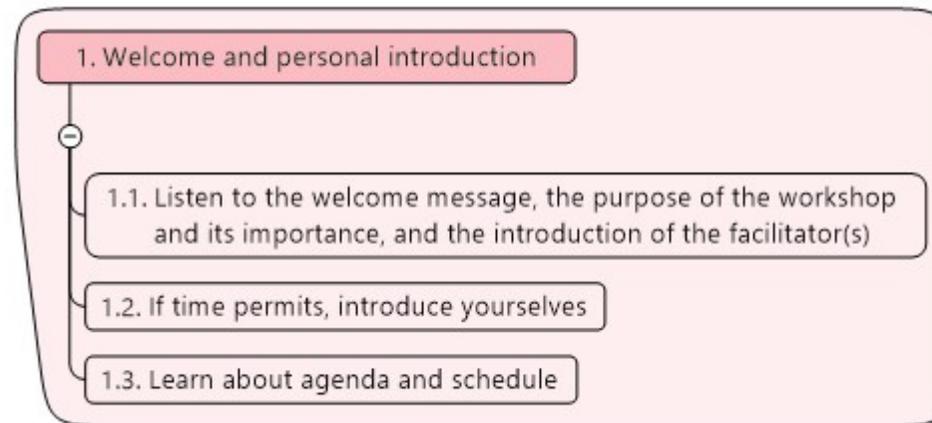
See the accompanying manual for the fab lab manager:

<http://bit.ly/fab14-sdgs-fablabmanager>

# Schedule

Schedules for a regular (4 hour) session and a condensed (2 hour) session	Regular session [4 hours = 240 minutes]	Condensed session [2 hours = 120 minutes]
1. Welcome and personal introduction	30'	10'
2. Explore the Sustainable Development Goals (SDGs)	45'	20'
3. Determine the SDG Profile for your fab lab	45'	30
4. Plan a better match with your SDG Profile	45'	30'
5. Identify new opportunities for the Fab Lab Network	45'	20'
6. Evaluation and follow-up	30'	10'
<b>Total time</b>	<b>240'</b>	<b>120'</b>

# 1. Welcome and personal introduction



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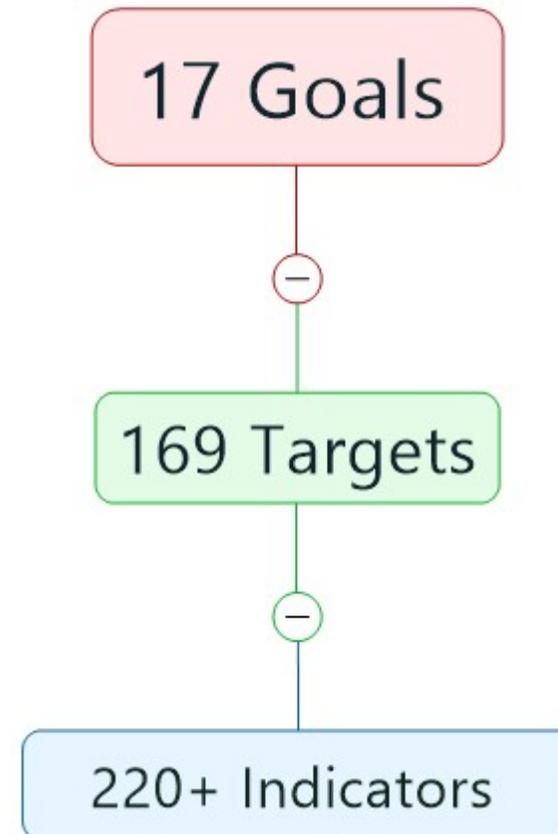


## 2. Explore the Sustainable Development Goals (SDGs)



## 2. Explore the Sustainable Development Goals (SDGs)

- 8 Millennium Goals
  - 2000-2015
  - Developing countries only
- 17 Sustainable Development Goals
  - 2016-2030
  - All countries
- Developed via worldwide bottom-up process
- Paris Climate Agreement included
- “Leave no one behind”



## 2. Explore the Sustainable Development Goals (SDGs)

### Sustainable Development Goals:

- Worldwide human agenda
- All aspects of life
- At all levels
- Many programs, projects and activities
- Unlocks new resources

### Fab labs / Makerspaces:

- SDGs help focus our activities
- SDG profile clarifies our impact
- Insight in all SDG profiles strengthens our network
- A stronger network makes us a more interesting partner

# Goal 1: End poverty in all its forms everywhere



# Goal 2: End hunger, achieve food security and improved nutrition, and promote sustainable agriculture



# Goal 3: Ensure healthy lives and promote wellbeing for all at all ages



3 GOOD HEALTH AND WELL-BEING



# Goal 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



# Goal 5: Achieve gender equality and empower all women and girls



# Goal 6: Ensure availability and sustainable management of water and sanitation for all



Working Group "Fab Labs and Sustainable Development Goals (SDGs)"

# Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all



# Goal 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment, and decent work for all



# Goal 9: Build resilient infrastructure, promote inclusive and sustainable industrialisation, and foster innovation



# Goal 10: Reduce inequality within and among countries



# Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable



11 SUSTAINABLE CITIES AND COMMUNITIES



# Goal 12: Ensure sustainable consumption and production patterns



# Goal 13: Take urgent action to combat climate change and its impacts (taking note of agreements made by the UNFCCC forum)



# Goal 14: Conserve and sustainably use the oceans, seas and marine resources for sustainable development



# Goal 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt and reverse land degradation, and halt biodiversity loss



# Goal 16: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

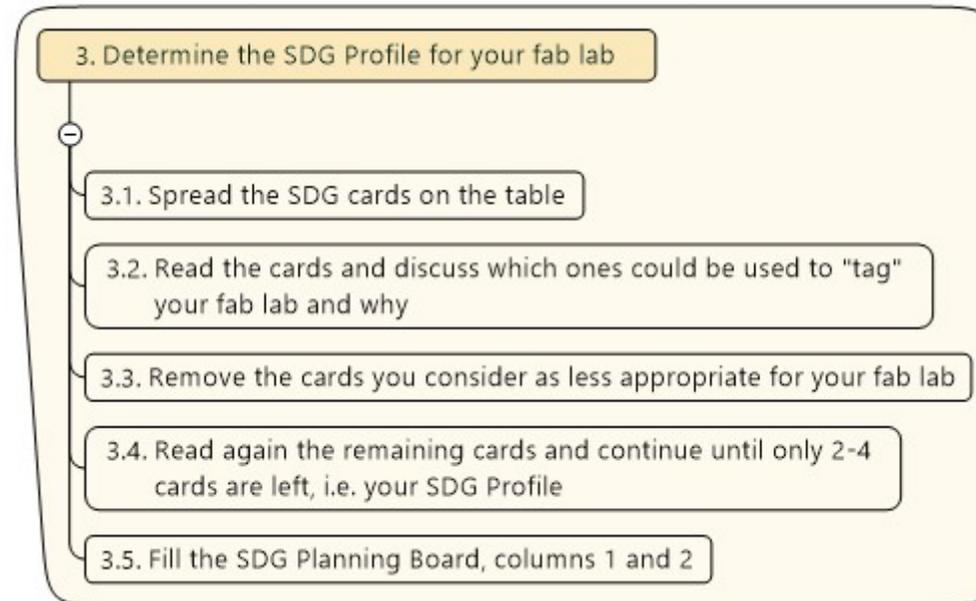


# Goal 17: Strengthen the means of implementation and revitalise the global partnership for sustainable development

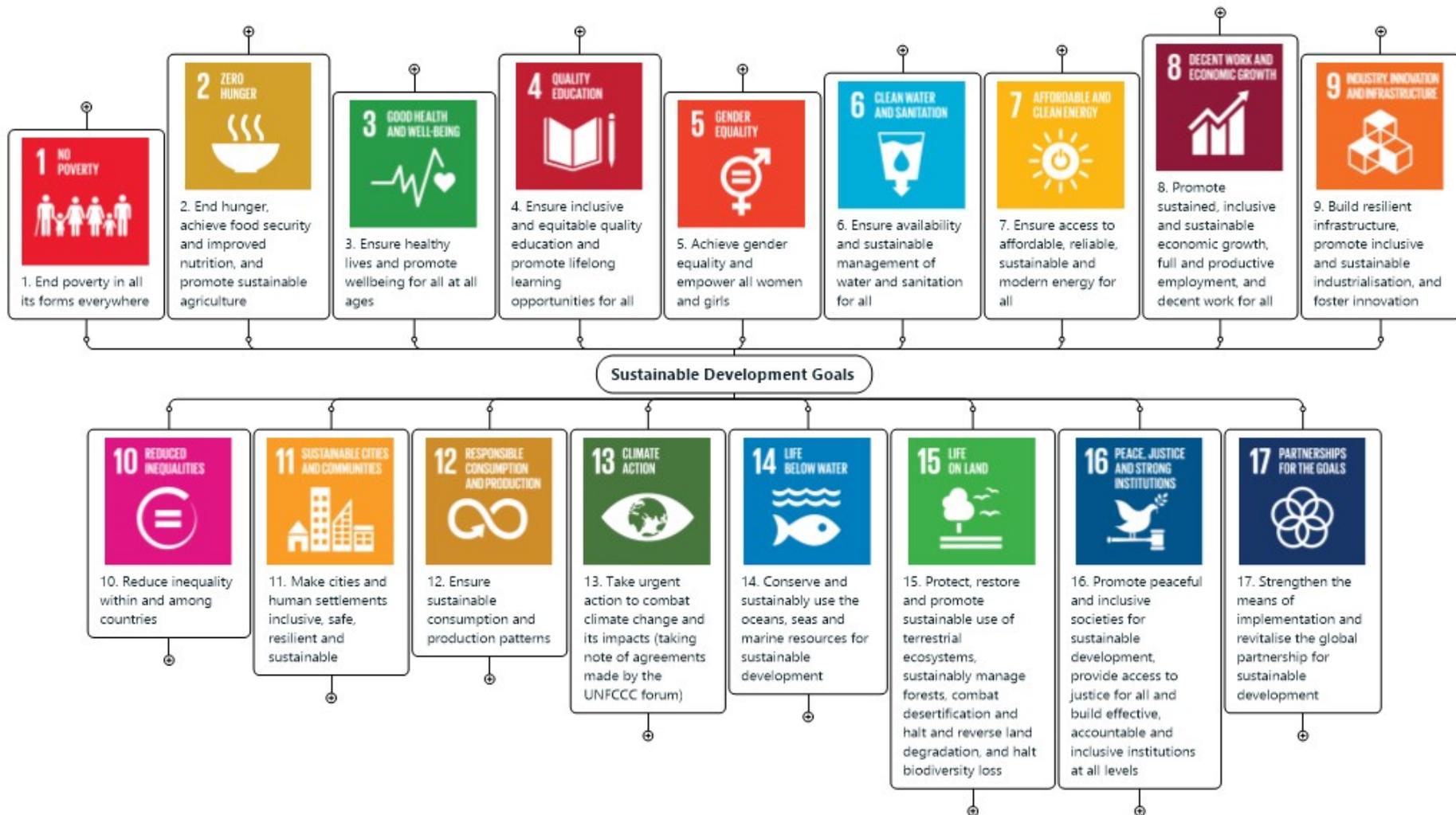


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# 3. Determine the SDG Profile for your fab lab



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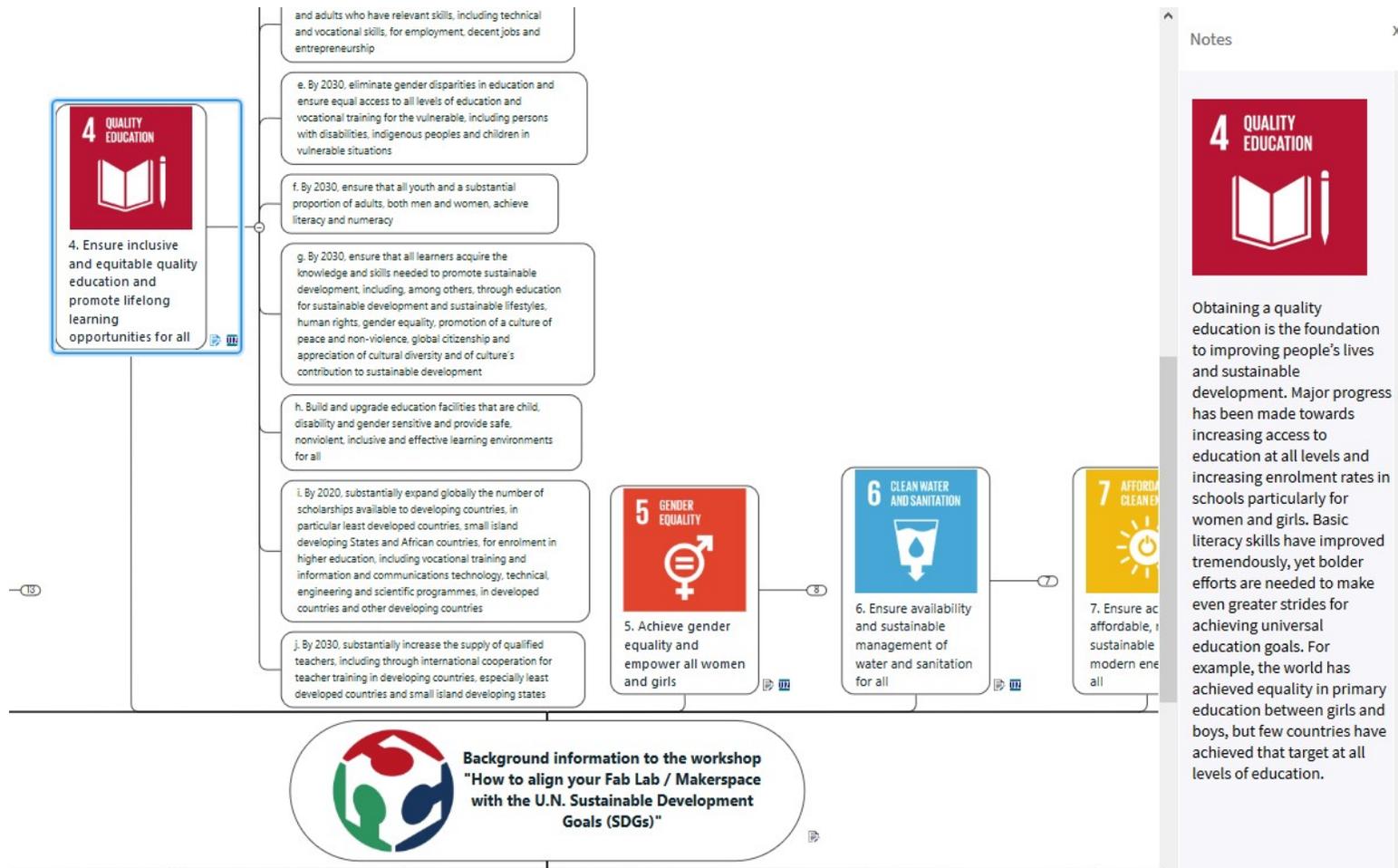
# 3. Determine the SDG Profile for your fab lab

<p>SDG Planning Board</p> <p>EXAMPLE</p> <p>FAB LAB XXX</p>	 <p>Determine the SDG-profile for your fab lab</p>
<p><b>4</b> QUALITY EDUCATION</p> 	<p>4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</p> <p>Many activities in this field: information and demonstration to general public at events, workshops for different age groups, courses for 2D design and laser cutting, 3D design and 3D printing, fab academy, etc.</p>
<p><b>8</b> DECENT WORK AND ECONOMIC GROWTH</p> 	<p>8. Promote sustained, inclusive and sustainable economic growth, full and productive employment, and decent work for all</p> <p>Two staff members with expertise in organizational health and safety, not only important internally, but we include it in many projects as well.</p>
<p><b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE</p> 	<p>9. Build resilient infrastructure, promote inclusive and sustainable industrialisation, and foster innovation</p> <p>Especially young professionals and technopreneurs: all is about new products and services, especially software and connectivity is very popular in our lab</p>
<p><b>17</b> PARTNERSHIPS FOR THE GOALS</p> 	<p>17. Strengthen the means of implementation and revitalise the global partnership for sustainable development</p> <p>Partnerships with local organizations, especially the support chain for new startups, active member of fab region and global network.</p>

# 4. Plan a better match with your SDG Profile



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 <p><b>4</b> QUALITY EDUCATION</p> <p>4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</p>	<p>Many activities in this field: information and demonstration to general public at events, workshops for different age groups, courses for 2D design and laser cutting, 3D design and 3D printing, fab academy, etc.</p>	<p>NEW on our agenda: X Adults with almost no education, bring them back to learning processes, empower them for new job opportunities</p>	
 <p><b>8</b> DECENT WORK AND ECONOMIC GROWTH</p> <p>8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all</p>	<p>Two staff members with expertise in organizational health and safety, not only important internally, but we include it in many projects as well.</p>	<p>NEW on our agenda: X develop a practical toolkit for safety ambassadors</p>	
 <p><b>9</b> INDUSTRY, INNOVATION AND INFRASTRUCTURE</p> <p>9. Build resilient infrastructure, promote inclusive and sustainable industrialisation, and foster innovation</p>	<p>Especially young professionals and technopreneurs: all is about new products and services, especially software and connectivity is very popular in our lab</p>	<p>NEW on our agenda: X Build LoraWAN in our place and use it for citizen sensing</p>	
 <p><b>17</b> PARTNERSHIPS FOR THE GOALS</p> <p>17. Strengthen the means of implementation and revitalise the global partnership for sustainable development</p>	<p>Partnerships with local organizations, especially the support chain for new startups, active member of fab region and global network.</p>	<p>NEW on our agenda: X active contribution to fab region network X finally run our own fab academy</p>	

# 5. Identify new opportunities for the Fab Lab Network



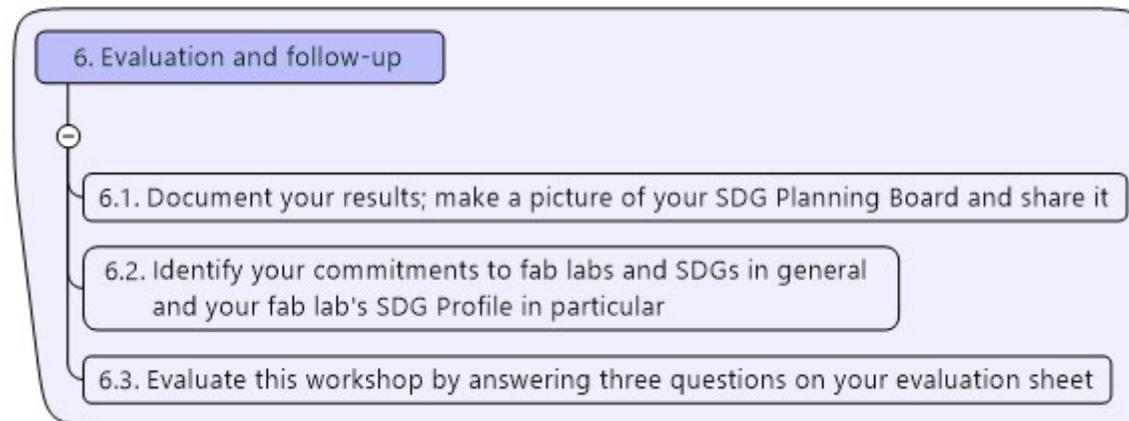
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SDG Planning Board  EXAMPLE  FAB LAB XXX	 Determine the SDG-profile for your fab lab	 Plan a better match with your SDG profile	 Identify new opportunities for the fab lab network
 <p>4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all</p>	<p>Many activities in this field: information and demonstration to general public at events, workshops for different age groups, courses for 2D design and laser cutting, 3D design and 3D printing, fab academy, etc.</p>	<p>NEW on our agenda: X Adults with almost no education, bring them back to learning processes, empower them for new job opportunities</p>	<p>Documenting our education activities and materials and actively offering them to our neighbour fab labs.</p>
 <p>8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all</p>	<p>Two staff members with expertise in organizational health and safety, not only important internally, but we include it in many projects as well.</p>	<p>NEW on our agenda: X develop a practical toolkit for safety ambassadors</p>	<p>Searching other fab labs interested in decent work and trying to create a handbook on that topic together.</p>
 <p>9. Build resilient infrastructure, promote inclusive and sustainable industrialisation, and foster innovation</p>	<p>Especially young professionals and technopreneurs: all is about new products and services, especially software and connectivity is very popular in our lab</p>	<p>NEW on our agenda: X Build LoraWAN in our place and use it for citizen sensing</p>	<p>Replicating software projects from CBA and see how we could apply them locally</p>
 <p>17. Strengthen the means of implementation and revitalise the global partnership for sustainable development</p>	<p>Partnerships with local organizations, especially the support chain for new startups, active member of fab region and global network.</p>	<p>NEW on our agenda: X active contribution to fab region network X finally run our own fab academy</p>	<p>Looking for our sister fab labs, communicating with them and planning at least one common activity this year</p>

# 6. Evaluation and follow-up



# 6. Evaluation and follow-up

Three questions:

1. What went well?
2. What could be better?
3. What suggestions do you have further?

# Resources

- How to align your Fab Lab / Makerspace with the U.N. Sustainable Development Goals (SDGs)
  - Manual for the fab lab manager – <http://bit.ly/fab14-sdgs-fablabmanager>
  - Presentation during workshop – <http://bit.ly/fab14-sdgs-presentation>
  - Interactive mindmap on SDGs – <http://bit.ly/fab14-sdgs-mindmap>
  - Workshop materials – <http://bit.ly/fab14-sdgs-kit>
  - Fab Lab SDG Profile Registration Form – <http://bit.ly/fab14-sdgs-form>
- UN Sustainable Development Goals, website in Arab, Chinese, English, Russian and Spanish
  - <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>
  
- Logo's and pictures © United Nations

# Thank you!

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