

Multi-stakeholder Partnerships in the Post 2015 development era: Sharing knowledge and expertise to support the achievement of the SDGs

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Sweden



Gothenburg



CHALMERS

We realized that the challenges ahead are:

1....wicked – both complicated and complex

- We need to deal with them in co-creation and in an integrated way

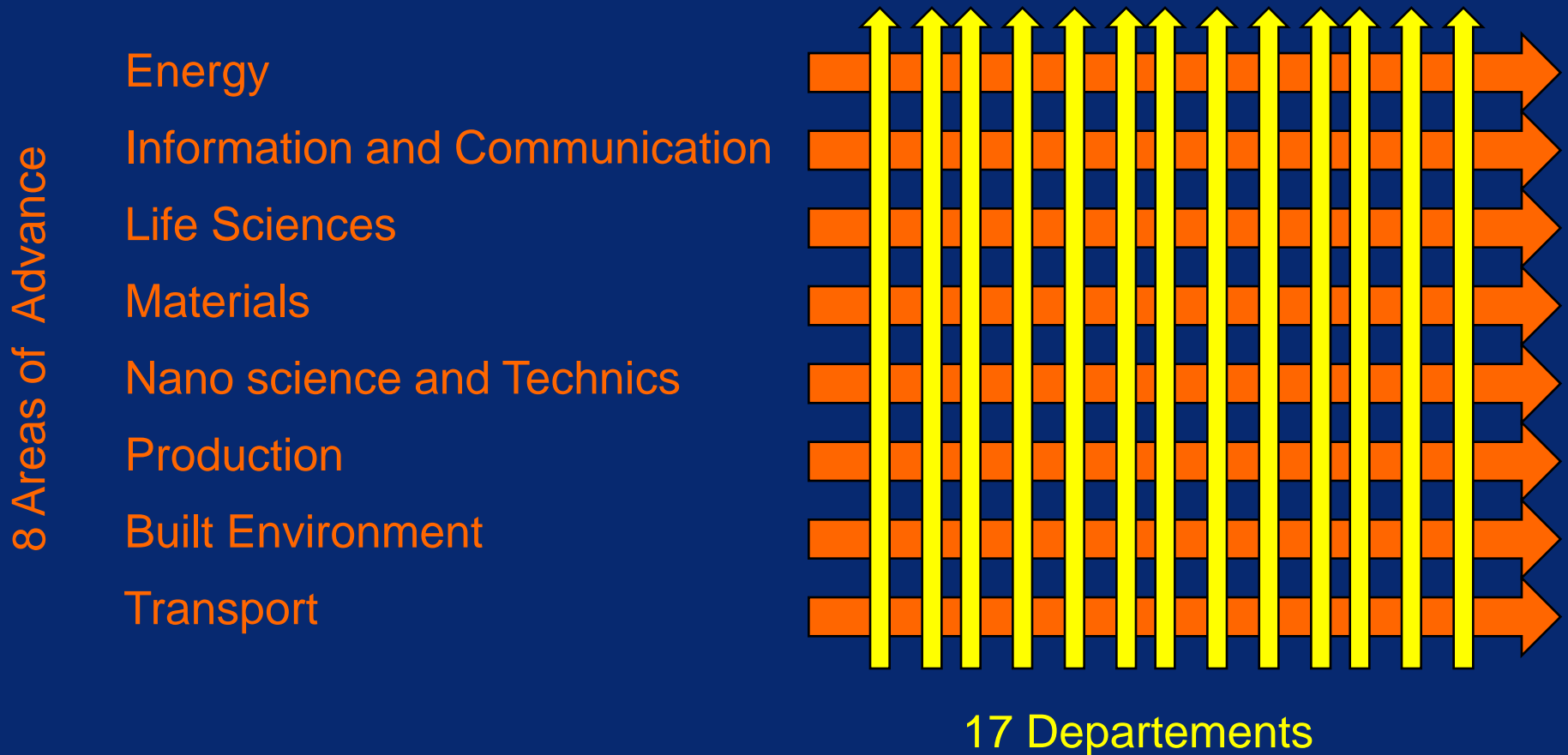
2....a result of present trends

- There is a need for transformation

We started with our own organization

- 1.Vision “Chalmers for a sustainable future”
- 2.Avoid lock-in effects – everyone onboard
- 3.Challenge driven matrix organization

Matrix organization



Sustainable development provide the driving force!

Three important features:

1. Back-cast to deal with transformation
2. Building trust for co-creation
3. Good facilitating is crucial

FiveClusters

FIVE CLUSTERS IN WEST SWEDEN WITH STRENGTH AND POTENTIAL FOR THE FUTURE



Urban Future

The Marine Environment and the Maritime Sector

Transport Solutions

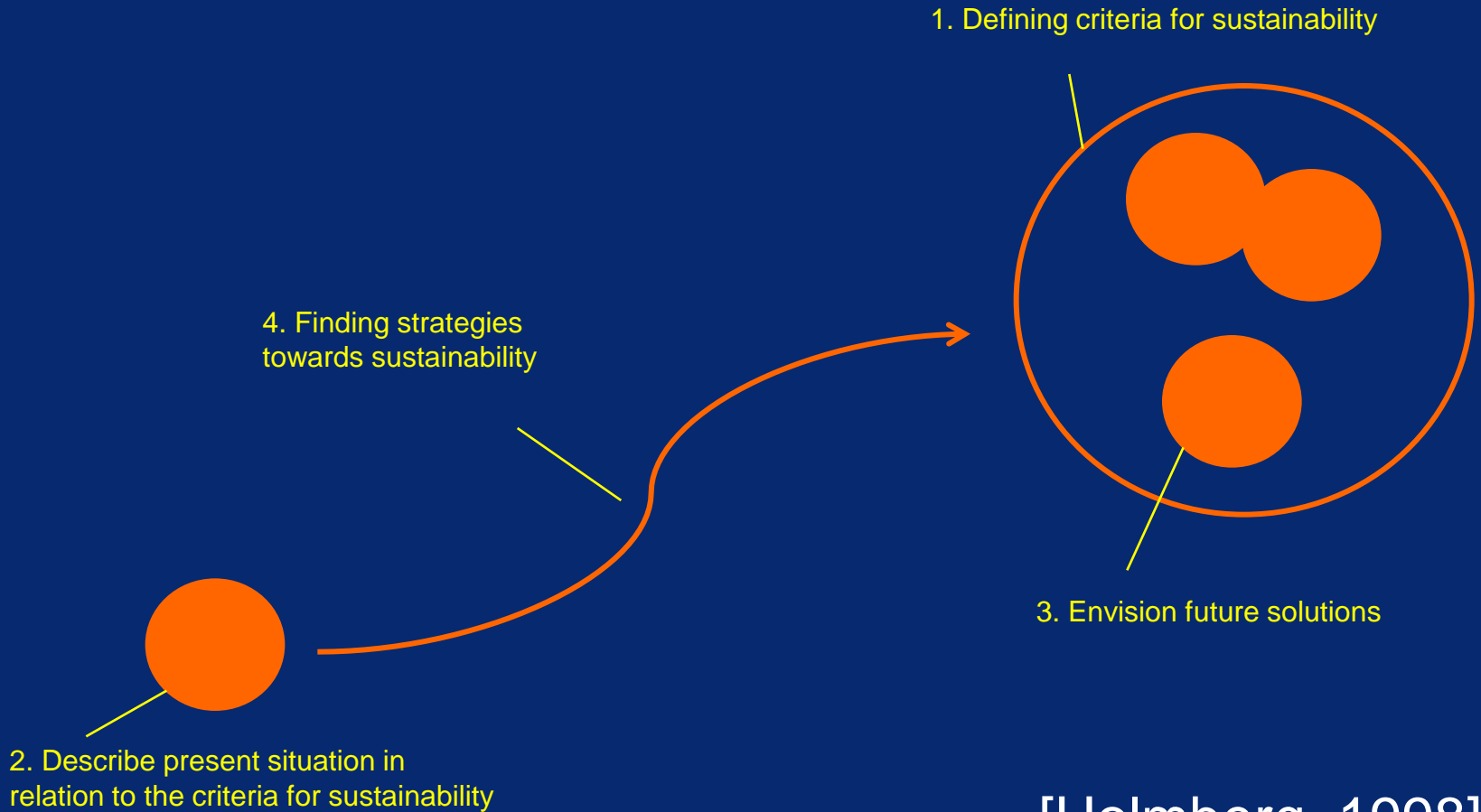
Green Chemistry and Bio Based Products

Life Science

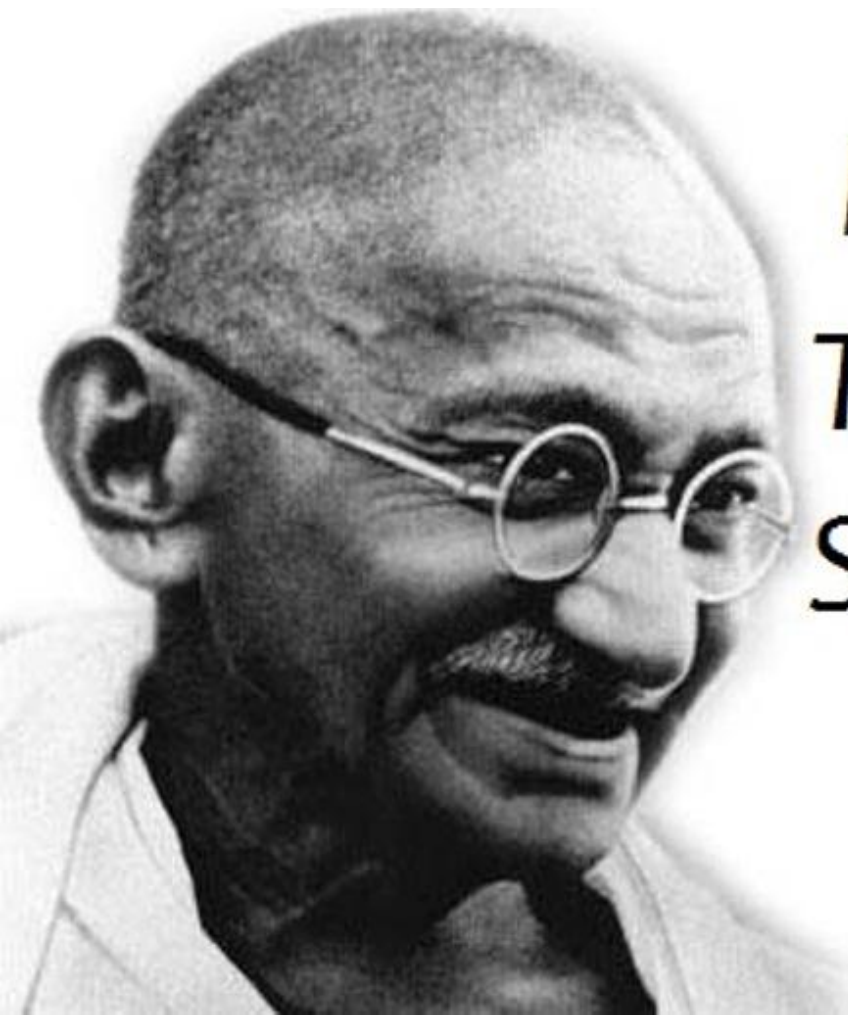
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Backcasting



[Holmberg, 1998]



*Be The **Change**
That You Want to
See In The World.*

ASTAZERO

ACTIVE SAFETY TEST AREA



KÖRSTYRETTINGEN SÄRSKILT 99 030
KÖRSTYRETTINGEN 73

FÖRKLARINGAR

GRÄNSOR
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ÖSKA
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HÄNSYNSNINGAR
SE ÄVEN KÖRSTYRETTINGEN I 1-5-OM
FÖR DETALJGIFVINGAR, PLANERINGAR, VÄGSTRUKTUR
OCH BEHÅNGSÅR.

ANMÄRKNINGAR
FÖR BEHÅNGSÅR, SE ÄVEN BEHÅNGSÅR I 1-5-OM
FÖR DETALJGIFVINGAR, PLANERINGAR, VÄGSTRUKTUR
OCH BEHÅNGSÅR.

SAFER

VEHICLE AND TRAFFIC SAFETY CENTRE AT CHALMERS



Sustainable Chemistry 2030

Now we take on a major challenge. Within 20 years Stenungsund will be the engine in western Sweden's economy. Our companies will be world leaders in the development of sustainable products, efficient production and renewable fuels. And we will be proactive in the transition to a future society where resources are used effectively and our products are recycled.

KEMIFÖRETAGEN I STENUNGSUND

AGA
AkzoNobel
Borealis
INEOS
Perstorp

GoBiGas – the world's largest demonstration plant for biomethane production



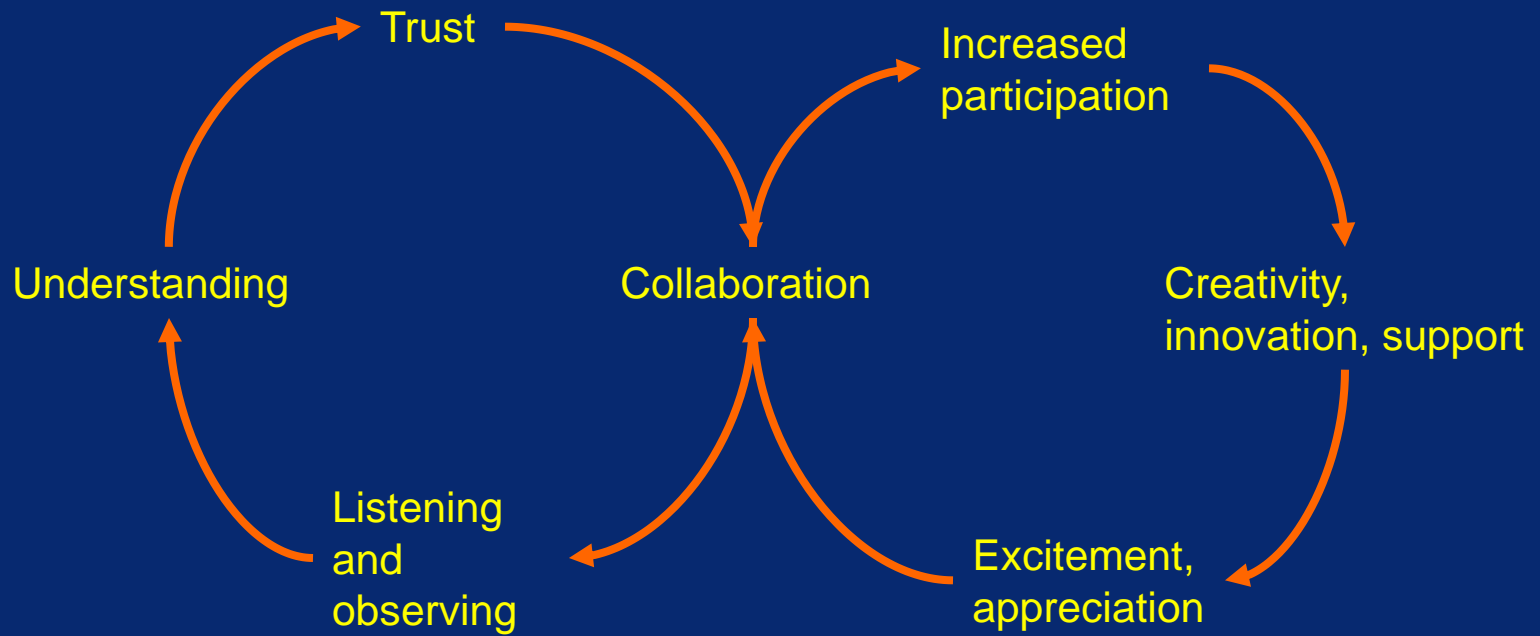
GoBiGas = Gothenburg Biomass Gasification project

Purpose: Shall in a commercial scale demonstrate the possibilities of gasification to produce renewable and CO₂-neutral biomethane

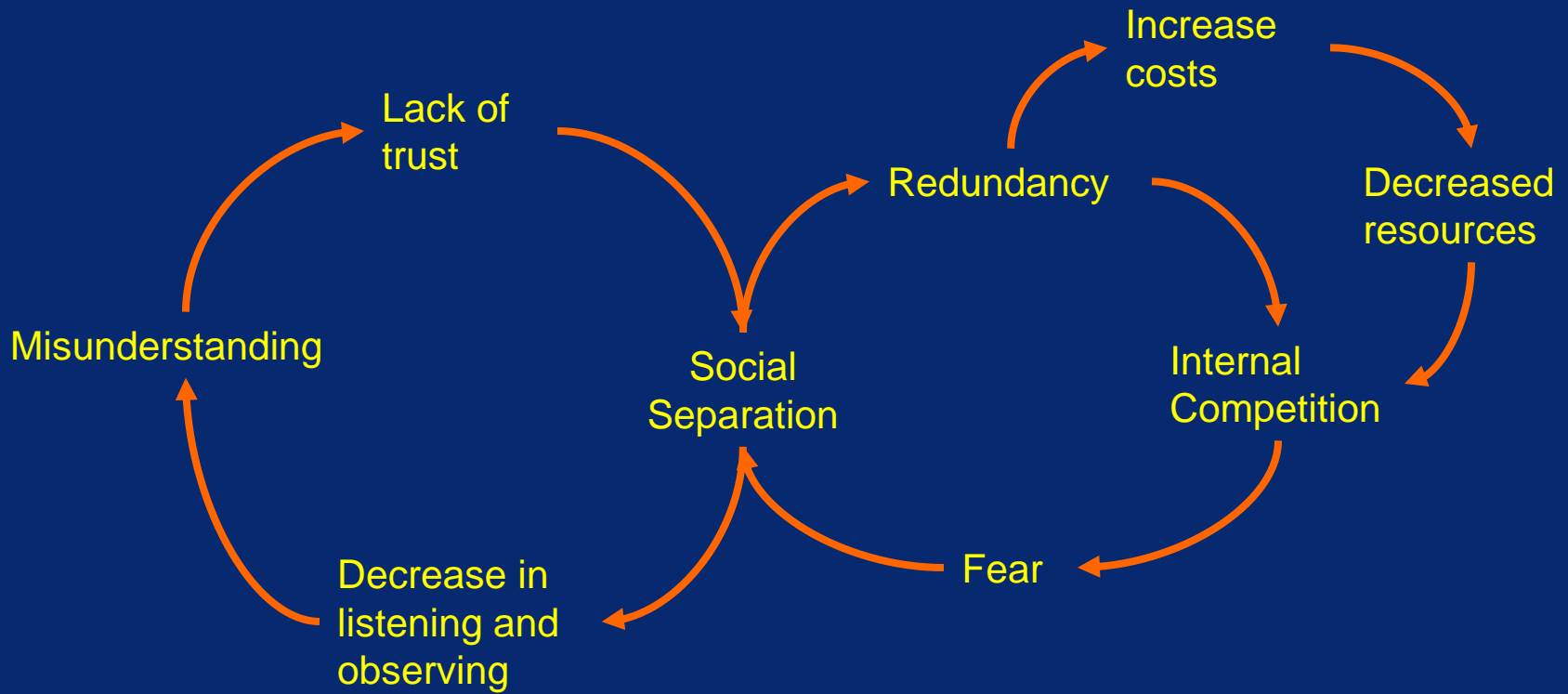
Project owner: Göteborg Energi AB

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Collaboration begins with listening



The cost of not listening

C | CHALLENGE LAB

Where students becomes change agents by taking on complex societal challenges with industry, academia and society.



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Chalmers for a sustainable future



A Vision

- Clear commitment by the management team
- Clear “why” we are doing it
- Incentives
- Structures



A Neutral Arena/Organization

- overview and responsibility outside and across the traditional borders
- engine for the issues that otherwise often becomes everyone's interest but nobody's responsibility.
- Idea incubator
- node for information
- open and inviting
- service oriented (not building own empires)
- building trust and lower barriers
- keeping the memory of the change process and give feed-back to relevant stakeholders and thereby keeping up the change momentum.



Create Engagement

The change process must build on the engagement and involvement of the individual. Therefore, the features of the neutral arena/organisation must be adapted to meet these requirements. Listen and learn for change! Invite people not only to contribute to the answers but also to formulate the questions!



Zzzzzzzzz

If the

1. The commitment from the management team is there
2. The neutral arena/organization works well
3. The engagement and involvement actively build bottom-up initiatives

Then you can relax *Zzzzzzz* and celebrate

Double loop-learning through:

UNESCO, Global Action Plan ESD

UNEP, GUPES

SDSN, Northern Europe

University networks in Europe and Scandinavia

Thank You!

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You can download a text that describe what I just presented here:

Holmberg, J. 2014. Transformative learning and leadership for a sustainable future: Challenge Lab at Chalmers University. in: Corcoran, P. B. and B. P. Hollingshead (Eds.). *Intergenerational Learning and Transformative Leadership for Sustainable Futures*. Wageningen, The Netherlands: Wageningen Academic Publishers, 2014. Open access: http://www.wageningenacademic.com/clientfiles/download/intergene_4.pdf