

## SUSTAINABLE G ALS





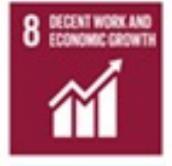
































#### Sustainable Development

Development that meets the needs of the present without compromising the ability of future generations to meet their own needs." (Brundtland 1987)

- 1968 ECOSOC endorsed Sweden's idea of having a UN conference
- 1969 ESOSOC decided to convene a conference in 1972
- 1972 United Nations Conference on the Human Environment

Stockholm Declaration

- 1987 Report of the World Commission on Environment and Development: Our Common Future (Brundtland Report)
- 1992 The United Nations Conference on Environment and Development (UNCED), Rio de Janeiro Earth Summit

Rio Declaration on Environment and Development, The United Nations Commission on Sustainable Development

- 1993 Agenda 21
- 2001 Millennium Development Goals
- 2002 The United Nations World Summit on Sustainable Development (WSSD) (Earth Summit II or Rio +10), Johannesburg
- 2009 COP15, Framework Convention on Climate Change, Copenhagen
- 2014 UN Climate Summit, New York
- 2015 UN Sustainable Development Summit, New York

COP21, Framework Convention on Climate Change, Paris

• 2016 COP22, Framework Convention on Climate Change, Marrakesh

#### Sustainable Development

• Development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

## SUSTAINABLE G ALS





































## COMPLEX THINKING NOT LINEAR THINKING





































































































































































































































#### AFFORDABLE AND CLEAN ENERGY

























































































































































#### SUSTAINABLE CITIES AND COMMUNITIES 11









































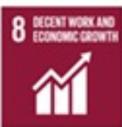






































































#### 14



















































































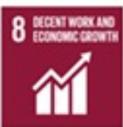
































#### PARTNERSHIPS FOR THE GOALS







































#### 18 MAKING OUR FUTURES







































## WICKED PROBLEMS

#### Wicked Problems

- The problem is difficult or impossible to solve because the problem changes.
- The problem has many parts connected to other problems.
- The problem gets worse when you try to solve it with linear thinking.

## SUSTAINABLE G ALS





































## WICKED PROBLEMS

## SUSTAINABLE GALS





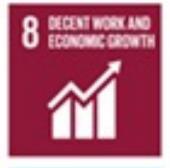








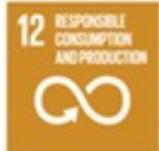


















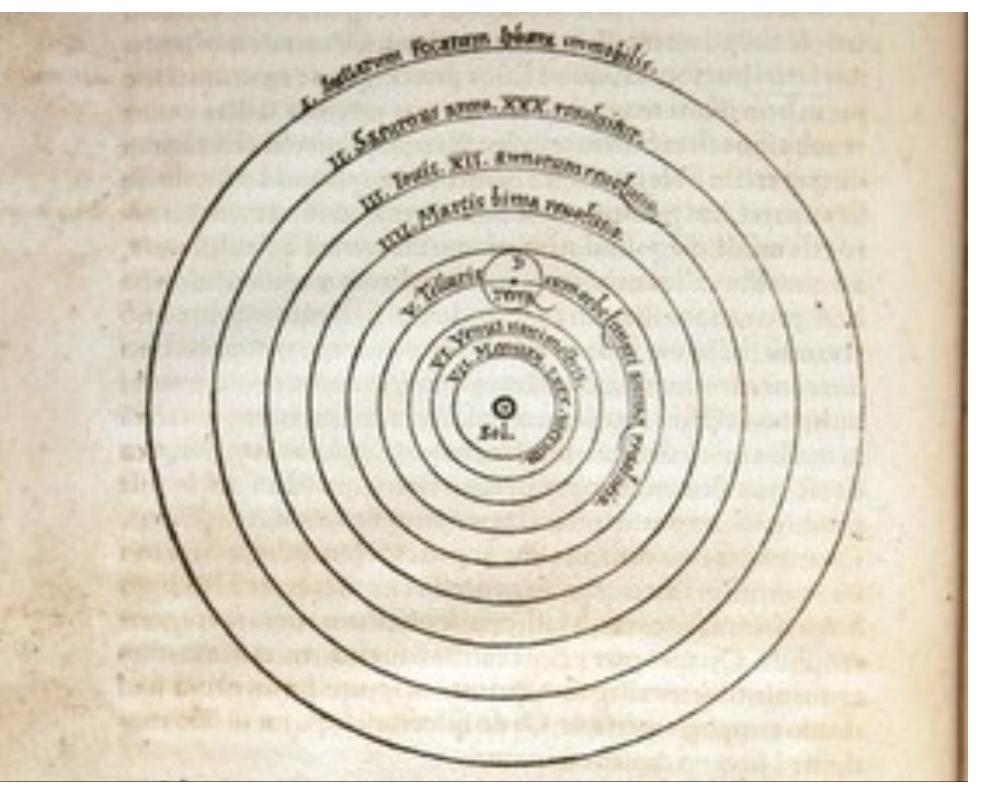


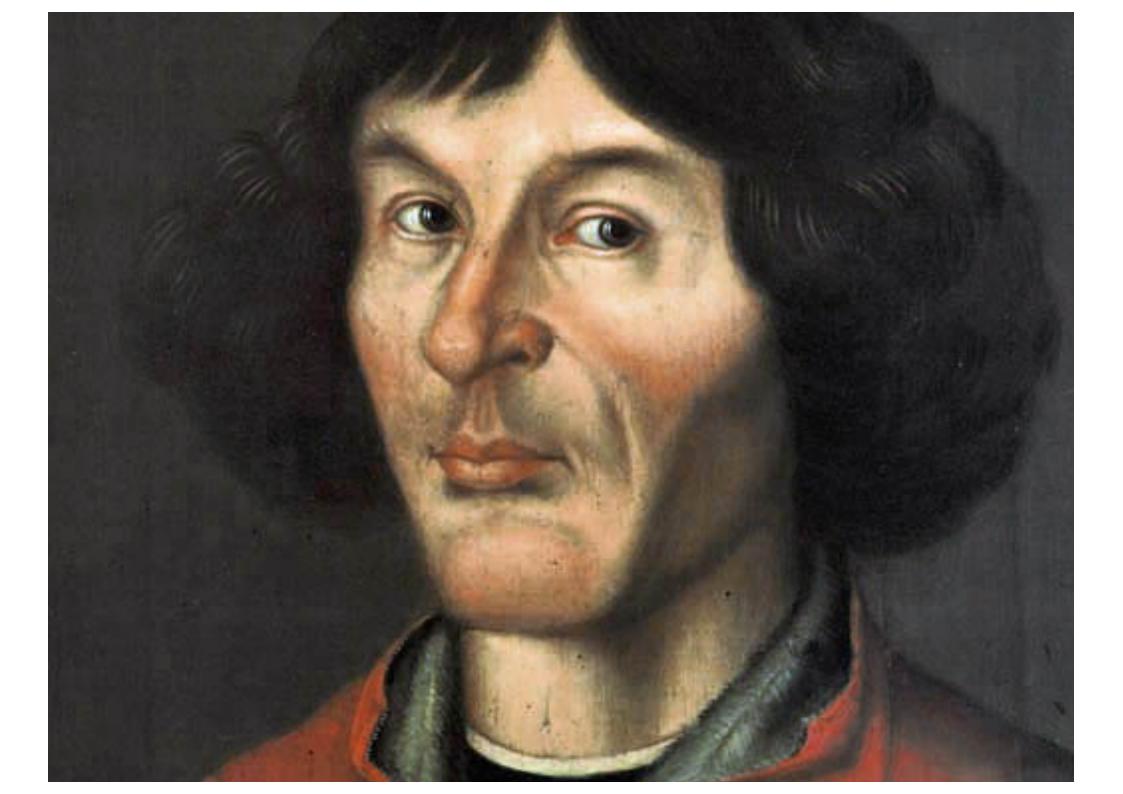




### COMPLEX THINKING

## CHANGE THE WAY WE THINK













## Design Education for Sustainable Development

## SUSTAINABLE GALS





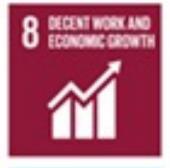








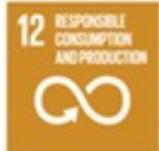


























# Design for WICKED PROBLEMS

## SUSTAINABLE GALS





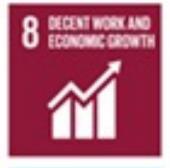








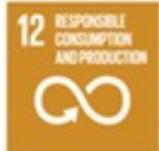
























#### Design for Wicked Problems

- You are the client and the designer
- Working in teams
- Design something to help your futures
- What do designers do best?
- Think about the questions before you try to find the answers