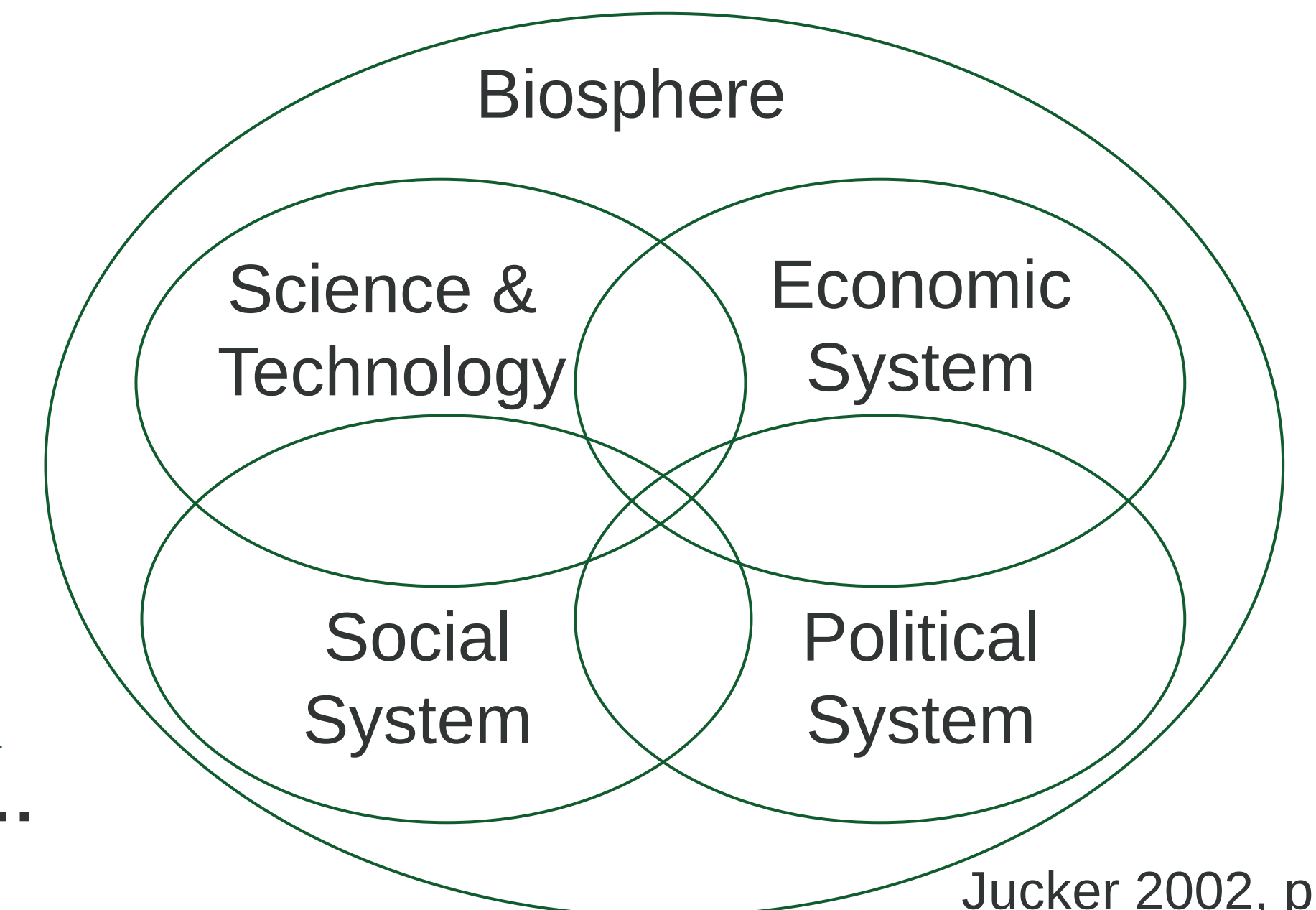


# "Sustainable Development" – Toolkit for Faculty

1

## What is sustainable development?

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



Jucker 2002, p. 33

## Sustainable development in Higher Ed: Where to start?

Curriculum Design – Course Design – Session Design – Sequence Design

2

3

## What do faculty want / need?

"Case studies related to my context"

"Contact to student organisations"

"Information on conferences, student competitions, etc."

"A SD framework for my university"

"Publications in my area"

"Tools for didactic planning"

"Exchange with other faculty"

"Diagnostic tools for student attitudes towards SD"

"Work aids for evaluation of competence development"

"A SD framework for my discipline"

"Good practice examples for linking disciplinary discourse to SD discourse"

"Materials & teaching aids"

## What resources does the toolkit provide?

4

Competence  
map

Planning &  
visualisation  
aids

Pointers to  
resource  
collections

Teaching materials  
linked to competencies

Resources for  
diagnosis & evaluation

| WISST<br>Attitudes: "Being"                                                                                                                                                                                                                                                                                                                                                                          | WISST<br>Attitudes: "Doing"                                                                                                                                                                                                                                                                                                                                                                                                                                         | WISST<br>Attitudes: "Being"                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sustainability competence</b><br>Understand concepts and frameworks related to sustainability and responsibility and their application in different disciplines / domains, e.g.: <ul style="list-style-type: none"><li>typology of business sustainability</li><li>value systems like ...</li></ul>                                                                                               | <b>Skills related to building sustainability issues</b><br>Ability to: <ul style="list-style-type: none"><li>think critically about sustainability issues</li><li>identify and locate phenomena in the context of their global relations &amp; effects</li><li>draw relevant time scales for problems</li><li>apply forecasting techniques</li><li>engage in systemic contribution</li><li>analyse sustainability problems in an interdisciplinary manner</li></ul> | <b>Attitudes towards sustainability issues</b><br>Commitment to / openness for / valuing of: <ul style="list-style-type: none"><li>acting responsibly and ethical behaviour</li><li>reflecting on social, economic and environmental consequences of actions</li><li>dealing with uncertain trajectories</li></ul> |
| <b>Systems thinking competence</b><br>Understand concepts and frameworks related to systems, e.g.: <ul style="list-style-type: none"><li>complex systems crossing domains such as society, economy, environment</li><li>complex systems crossing scales such as local, regional, global</li><li>feedback loops</li><li>systems archetypes</li><li>intermediate and root causes of problems</li></ul> | <b>Skills related to systems thinking</b><br>Ability to: <ul style="list-style-type: none"><li>apply methods in analysing / modelling complex systems</li><li>design, test, implement, evaluate interventions</li></ul>                                                                                                                                                                                                                                             | <b>Attitudes towards systems thinking</b><br>Commitment to / openness for / valuing of: <ul style="list-style-type: none"><li>thinking in terms of systems</li><li>thinking across domains and across scales</li></ul>                                                                                             |
| <b>Normative competence</b><br>Understand concepts and frameworks related to normative issues, e.g.: <ul style="list-style-type: none"><li>Map, specify, negotiate, negotiate sustainability-related, economic, social, ...</li></ul>                                                                                                                                                                | <b>Skills related to dealing with normative / ethical issues in S-R</b> <ul style="list-style-type: none"><li>Map, specify, negotiate, negotiate sustainability-related, economic, social, ...</li></ul>                                                                                                                                                                                                                                                            | <b>Attitudes towards normative / ethical issues in S-R</b><br>Commitment to / openness for / valuing of: <ul style="list-style-type: none"><li>... sustainability-related, economic, social, ...</li></ul>                                                                                                         |

