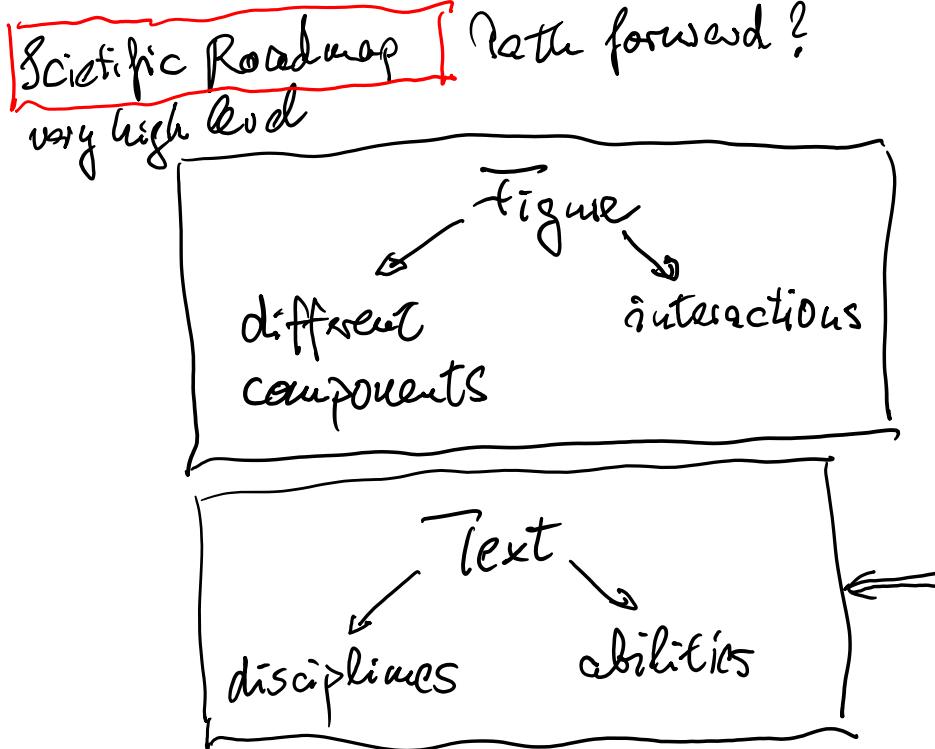


5.	Emphases of the Programme.....	16
E-0.	Climate science in support of sustainable development .....	18
E-2.	The atmosphere in the climate system.....	19
E-1.	The ocean in the climate system (move to 2nd position - E-2).....	20
E-3.	The land in the climate system .....	20
E-4.	The cryosphere in the climate system .....	21
E-5.	The regions in the climate system .....	22

Provide the glue between Objectives and the Imperative

"Fundamental Climate Sciences for Society"



WCRP → Paris Agreement → needs fundamental science  
e.g. nature of tipping points  
Adaptation, regional + global measures

IPCC  
policy agreements  
technical bodies

Earth System  
vs. Climate System  
Climate  
vs Climate Change

narrative, not title:

"Use Earth Systems Science for Understanding Climate"

Section 8: 40a of  
successful climate  
science

Fig 1  
current WCRP paradigm

Fig 2  
next 10-a paradigm

new

Figure 2 : next 10-a paradigm ~ delicate balance between

Text

- tipping points
- extreme weather + direct variab
- seamless prediction
- Paris Backgnd: CO<sub>2</sub>, longterm
- judging progress in light variab
- geoengineering: informing society
- biogeochem. cycles

glue from the objectives to the imperatives

Fig 2: pick up wording from Objectives: color boxes according to WCRP "ownership" or not

Bretherton diagram

