



# TRANSECT og Klimatjenester på Aarhus Universitet (iCSC)

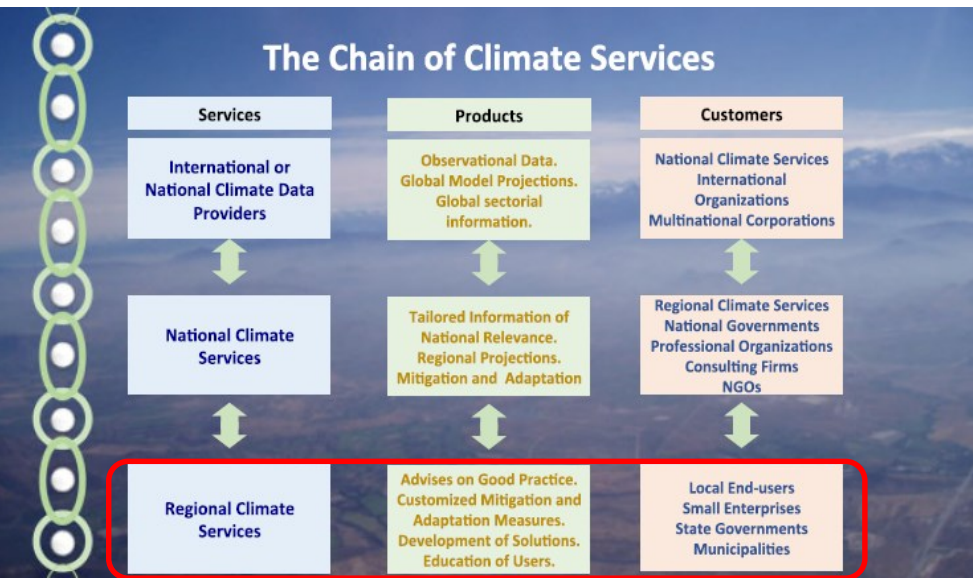
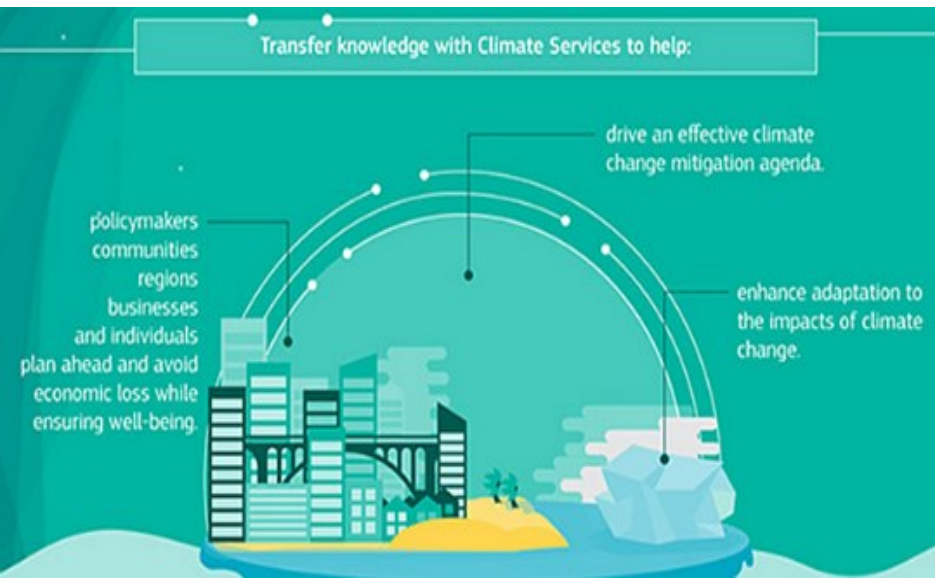
Hans Sanderson



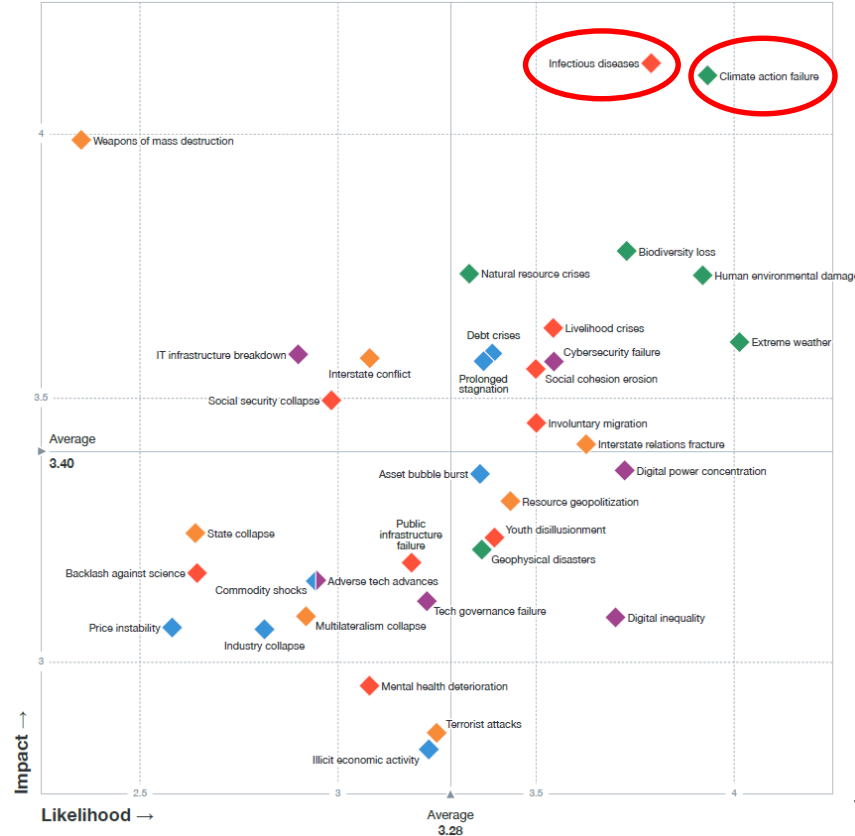
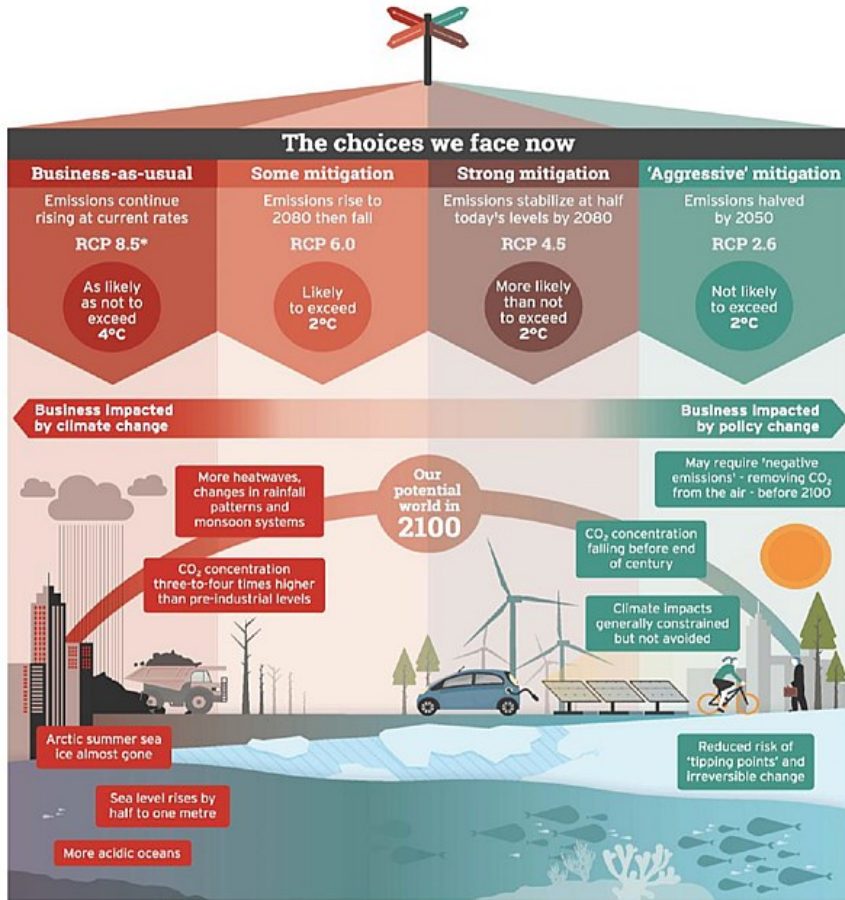
# iClimate Service Center (iCSC)

Climate Services – klimatjenester- handler grundlæggende om at tilføje værdi fra klimadata til information med brugerne og deres behov i centrum.

Støtte klimatilpasning og grøn omstilling



# Klima risici – omstilling og fysiske



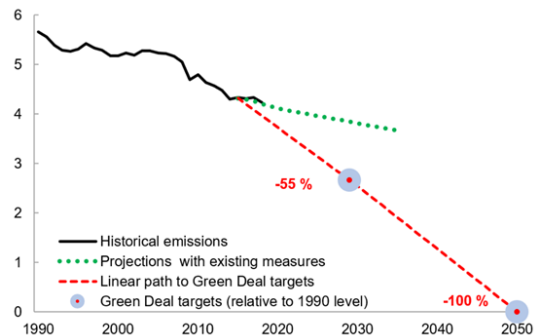
# Klima handling



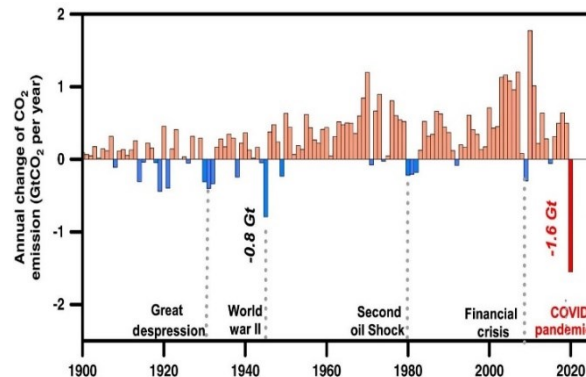
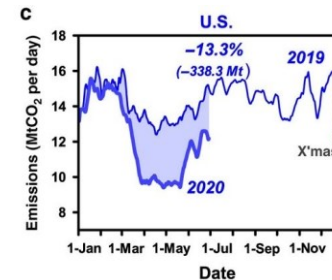
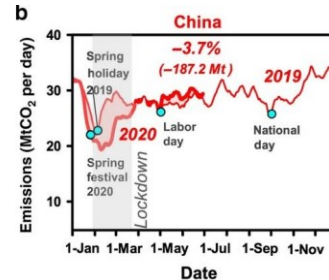
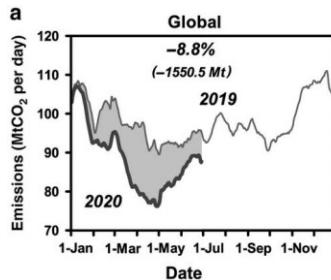
Past and future of Carbon emissions  
(RCP 2.6)



(millions of kilotons of CO<sub>2</sub> equivalents)



2020-2030 RCP1.5C =  
**-7.6%** global annual  
GHG emissions (UNFCCC,  
2019)



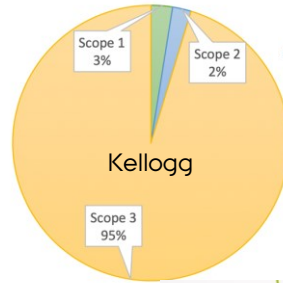
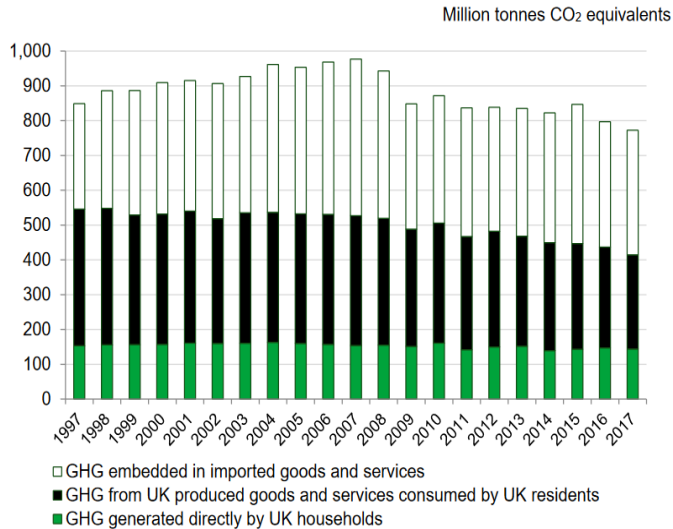
Liu et al. *Nature Comm.*, 2020

# Bæredygtige CO2 opgørelser

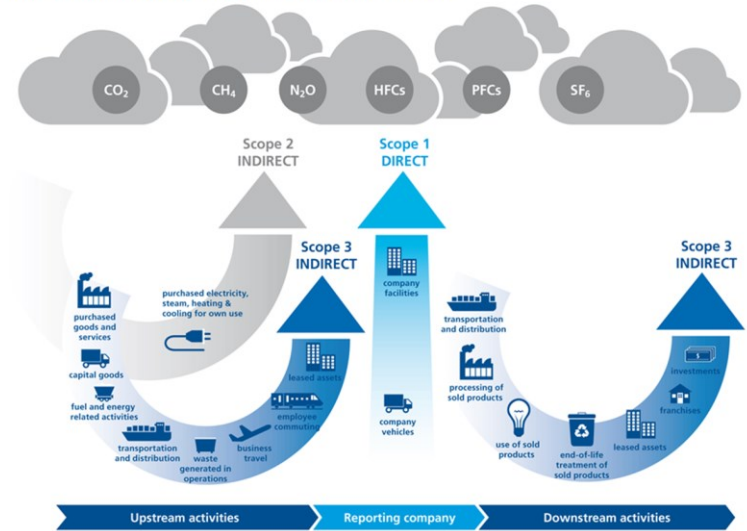
Direkte udledninger (Scope 1)

Indirekte udledninger (Scope 2)

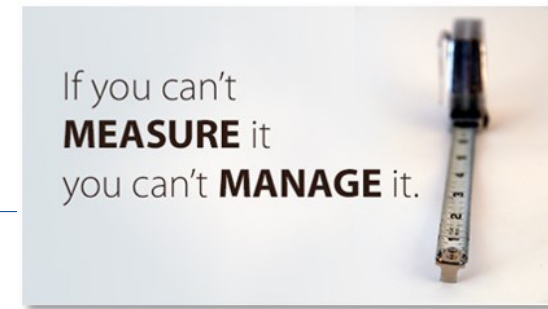
Værdikæde/forbrug udledninger (Scope 3)



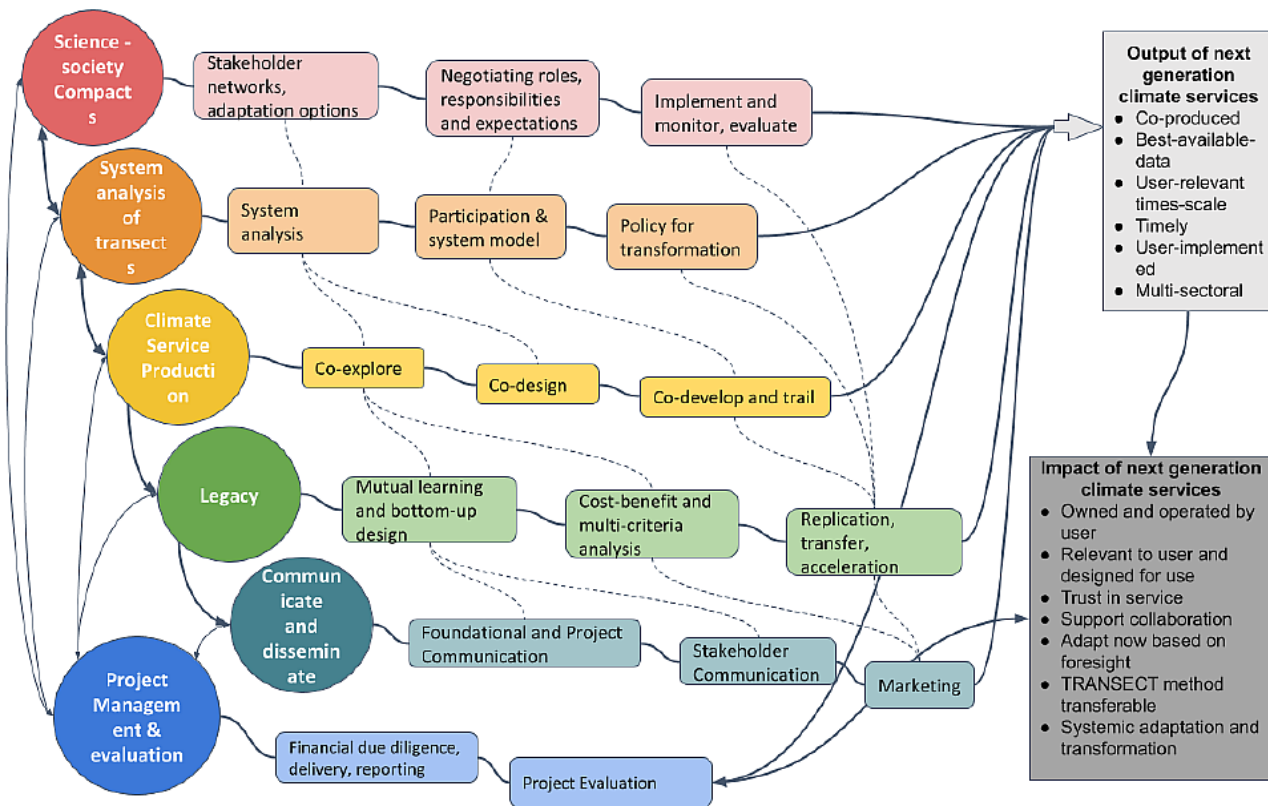
Overview of GHG Protocol scopes and emissions across the value chain



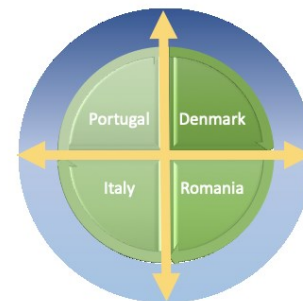
Source: myclimate.org - World Resources Institute & World Business Council for Sustainable Development, 2011.



# Transect Horizon European projekt ansøgning



- Transekt case studie og deltagelse
- Parvis cases DK & RO – lavtliggende og multifunktionel kyst
- Tilpasningsbehov → analysebehov
- Metodeudvikling og klimatjenester



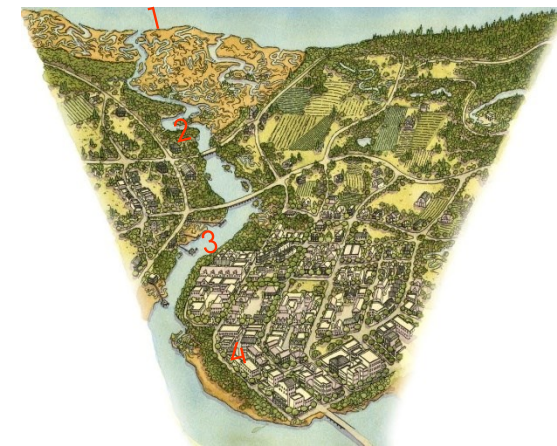
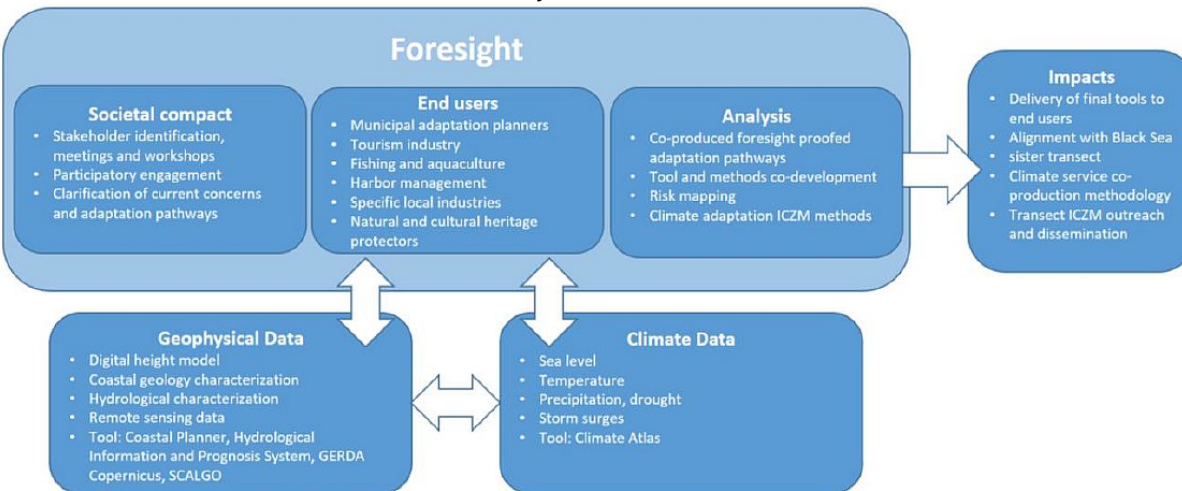
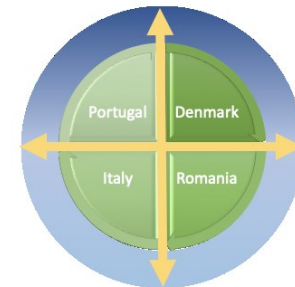
# Dansk case i Transect

Co-creation – workshops i Klimatoriet – tilpasningsbehov på kort og **langt** sigt i hele regionen (C2C transekt) ICZM co-benefits

Definer data-og klimatjenest analysebehov – oversæt fra data → relevant information

Impact og ejerskab

Partnerskab med ICZM Sorte Havs kyst rumænsk case



# iClimate Service Center på AU

- › Samarbejder omkring både fysiske og omstillingsmæssige effekter af klimaforandringer – bæredygtig og løsningsorienteret fx indenfor:
  - Risikovurdering
  - Vand
  - CO2 regnskaber
  - Teknologier og løsninger
  
- › Få adgang til AU ekspertise på tværs af hele universitet via centeret
  - Få hjælp til at identificere risici, muligheder og løsninger klima og den grønne omstilling indebærer
  - Fra økonomi over geologi og ingeniørvidenskab
  - Støtte til at gå fra data til information og handling.







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# Tak

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