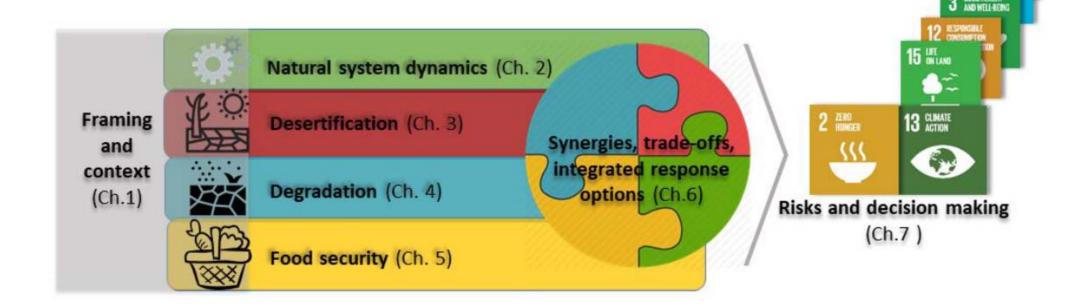




Climate change and desertification, land degradation, sustainable land management, food security, greenhouse gas fluxes in terrestrial ecosystems



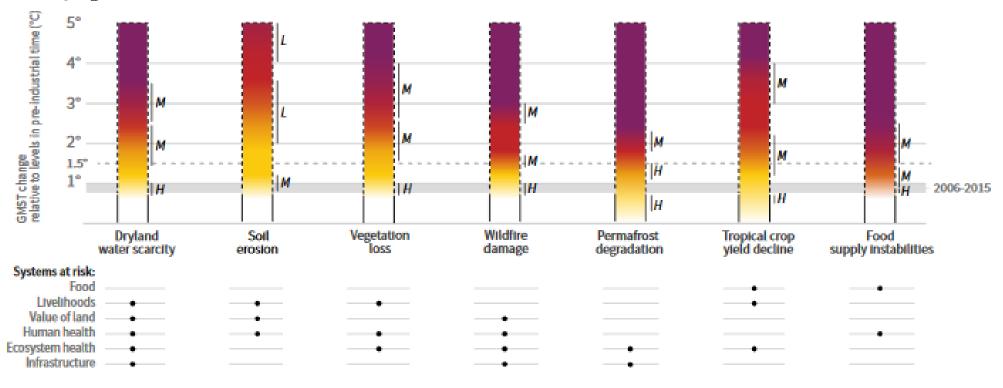
Key messages

- •Land provides the principal basis for human livelihoods and wellbeing including the supply of food, freshwater and multiple other ecosystem services, as well as biodiversity.
- •Land provides the basis for many ecosystem functions and services, including cultural and regulating services, that are essential for humanity
- Land is already under pressure
- •Climate change is making a challenging situation worse and undermining food security



Risks to humans and ecosystems from changes in land-based processes as a result of climate change

(Fig 2, Summary for Policy Makers https://www.ipcc.ch/srccl-report-download-page/





Climate Change and Land. You asked for this report, what will you do with it?

(Reisinger, 2019)



Policies and Governance are critical

"Many policies
That improve the land are good
For climate, too

Incentives, tools, rules: Things don't happen by themselves. Change needs policies

. . .

Joined up solutions
Exist but we don't use them:
Need joined up actors"

(Reisinger, 2019)





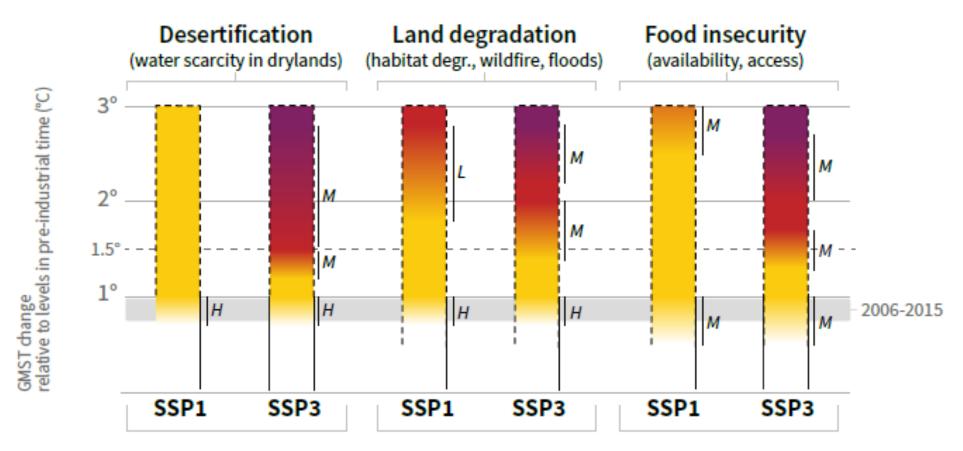
•Choice and implementation of policy instruments determine future climate and land pathways





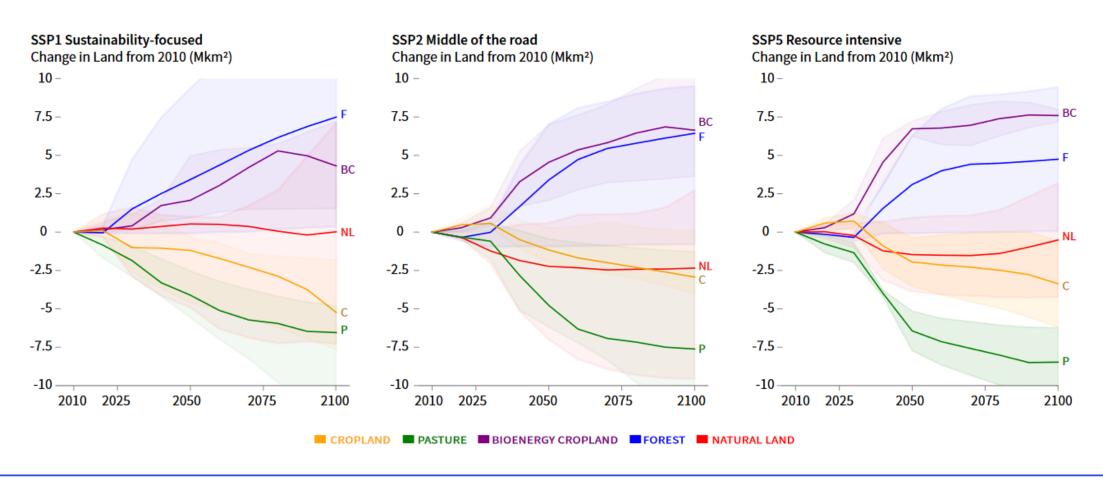
Different socio-economic pathways affect levels of climate related risk

(Fig 2, Summary for Policy Makers https://www.ipcc.ch/srccl-report-download-page/





Pathways linking socioeconomic development, mitigation responses and land (SPM Fig 4A)





"Land cannot do it On its own. Needs action on Every front to work"





Thank you!

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Indicative example of transitions

