

Announcements

Wednesday 9/4

- Buy an approved calculator for next quiz/exam, you'll need it for the FE Exam!
- Blog post 1 due Friday at 11:59pm
- Twenty two students are registered for the blog. **Where are the other twenty three?**
- Problem set (PS)1 due Monday 9/9 in class – it's posted online, and it's short and fairly painless.
- Exam blueprint, in preparation, Quizz solution will be posted online tonight.

State of the Planet

population



water supply & quality



energy



Public Health
Prevent. Promote. Protect.

climate change

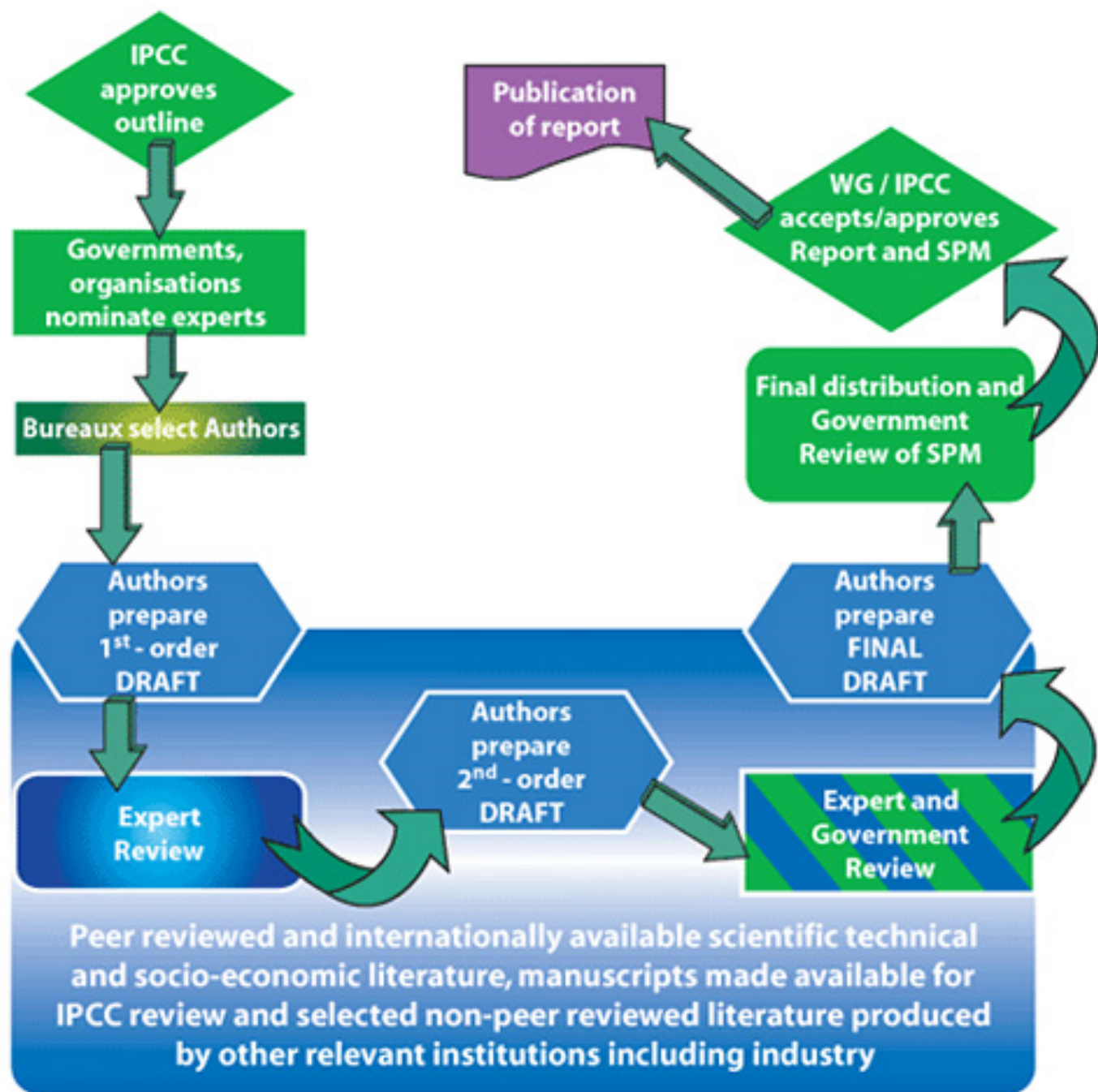


food production & demand

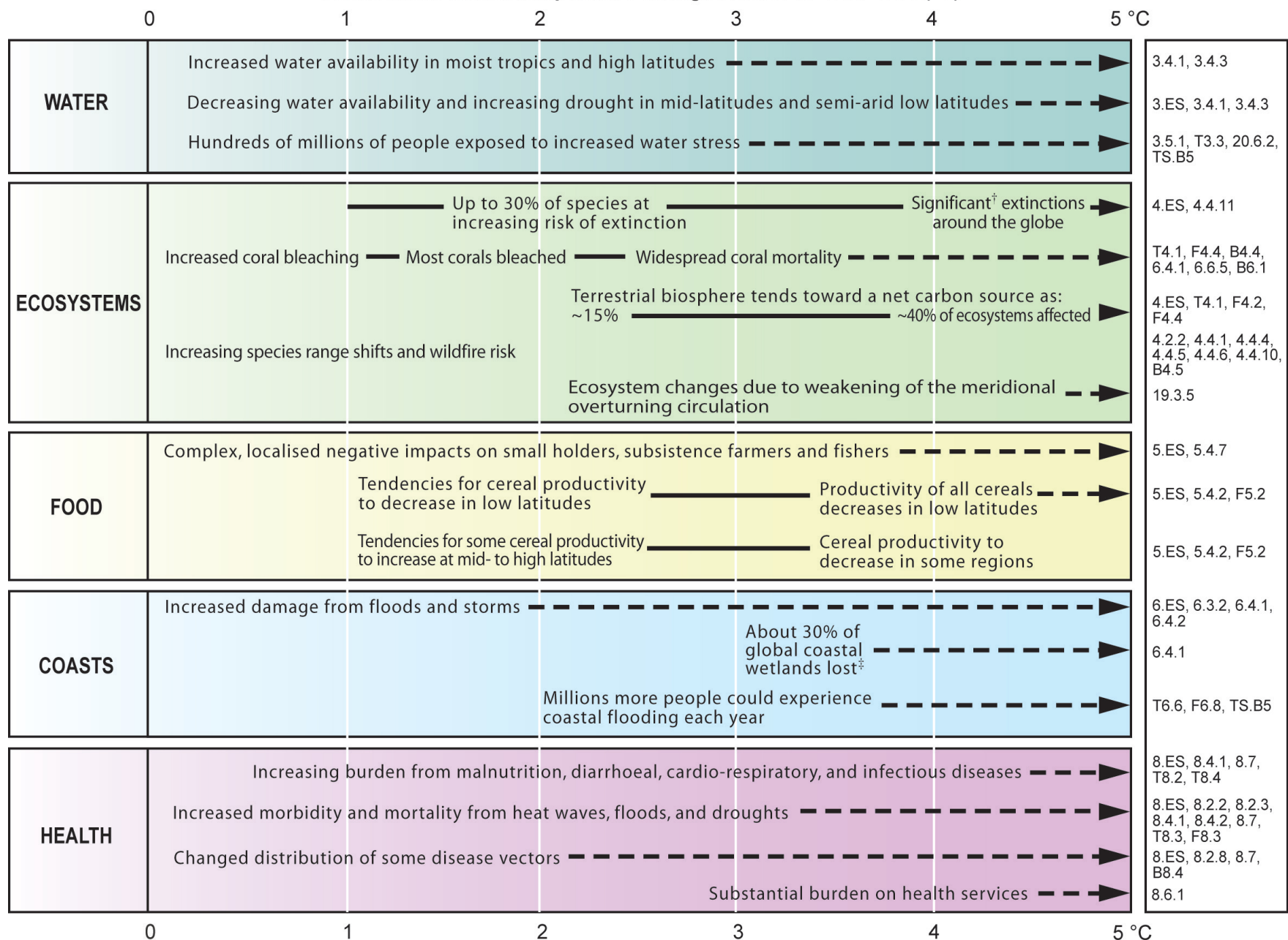
Prof. Natalie Mahowald, climate scientist, member of the IPCC:

- *Very likely* humans have caused 1950s to present increase in temperatures with CO₂
- *Very likely* future higher CO₂ levels will cause higher temperatures: *how high is still uncertain*
- ***Many uncertainties***: policy and value judgment what the right level of mitigation is.





Global mean annual temperature change relative to 1980-1999 (°C)



Global mean annual temperature change relative to 1980-1999 (°C)

[†] Significant is defined here as more than 40%.

[‡] Based on average rate of sea level rise of 4.2 mm/year from 2000 to 2080.

UN Millennium Goals



State of the Planet

population



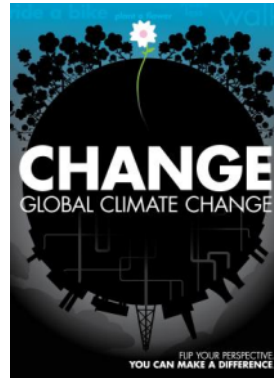
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