

# Announcements

## Monday 9/2

- Labs Tomorrow—no open-toes shoes
- Quiz on Wednesday, beginning of class—bring calculators!
- Blog post 1 due Friday at 11:59pm
- Problem set (PS)1 due Monday 9/9 in class —it's posted online, and it's short.
- Mid-term 2 on Wed Nov 20<sup>th</sup> (not Mon Nov 18<sup>th</sup>)
- Dr. Gretchen Heavner “visiting” class on 9/13g

# What do environmental engineers do?

Keyword Search

SEARCH

FLOYD | SNIDER

strategy ▪ science ▪ engineering

We are a multi-disciplinary environmental consulting firm providing strategy, science, and engineering expertise to achieve balanced resolution of environmental and business challenges from concept to completion.

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ABOUT US

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Floyd|Snider provides comprehensive consultation services to assist clients in defining and achieving project goals for contaminated upland and aquatic properties. **Click here** for details on services and project experience.



News & Events

**Dr. Allison Geiselbrecht Presents at the COPRI Ports 2013**

# State of the Planet

**population**



**water supply & quality**

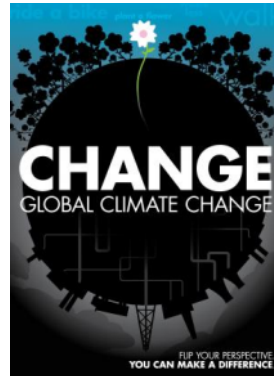


**energy**



**Public Health**  
Prevent. Promote. Protect.

**climate change**



**food production & demand**

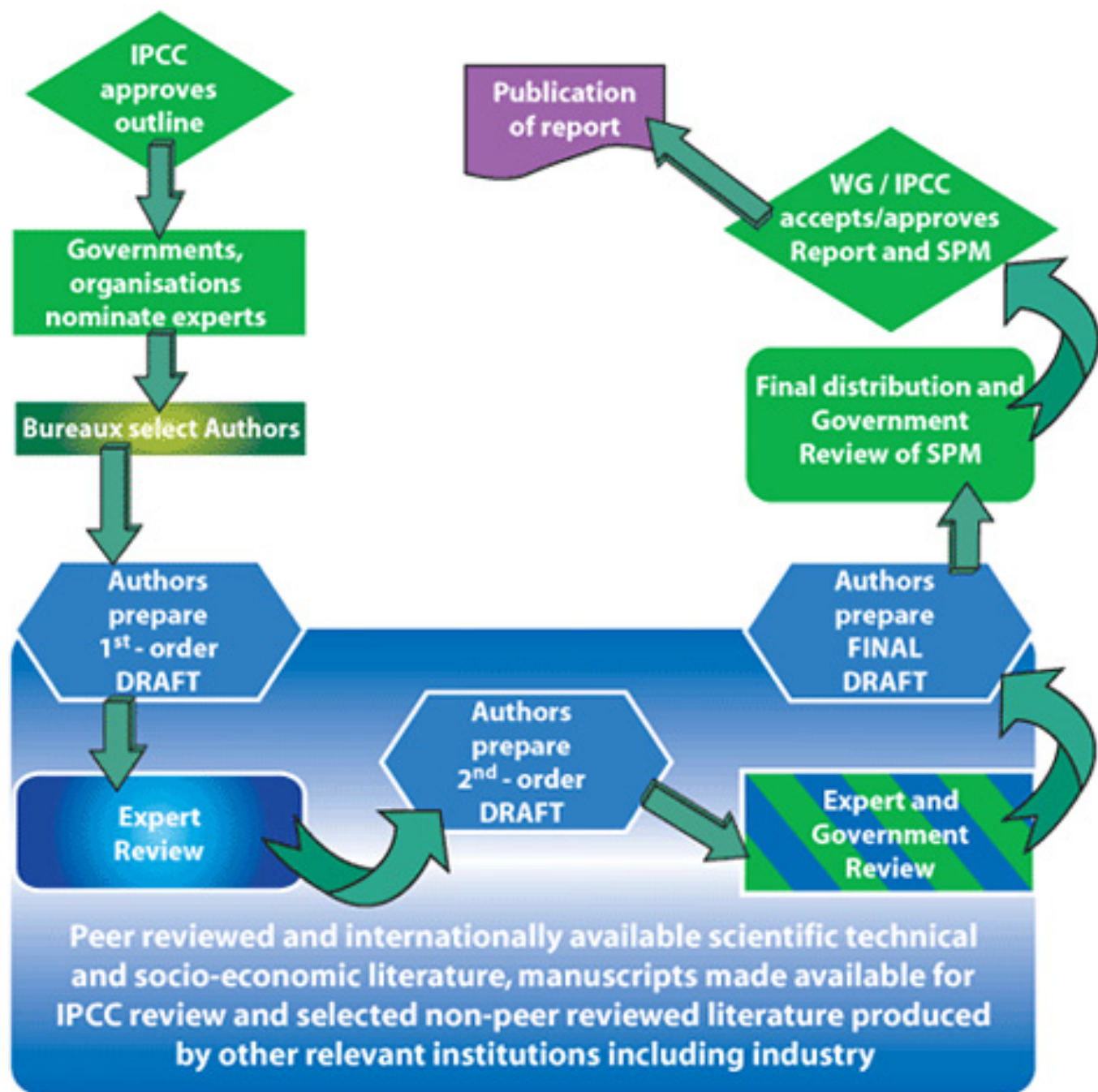


# Prof. Natalie Mahowald, climate scientist, member of the IPCC:

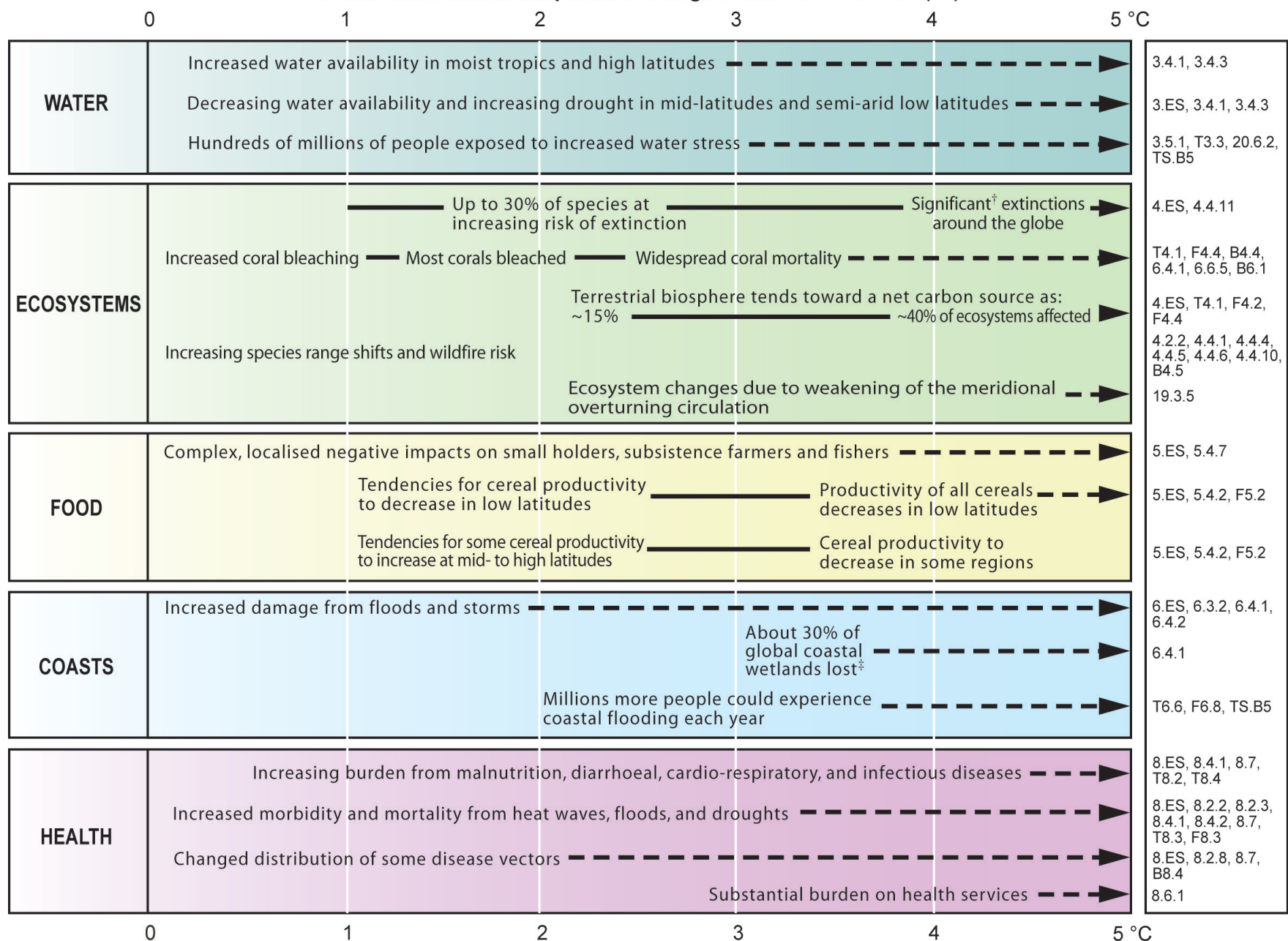
- *Very likely* humans have caused 1950s to present increase in temperatures with CO<sub>2</sub>
- *Very likely* future higher CO<sub>2</sub> levels will cause higher temperatures: *how high is still uncertain*
- ***Many uncertainties***: policy and value judgment what the right level of mitigation is.







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



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

<sup>†</sup> Significant is defined here as more than 40%.

<sup>‡</sup> Based on average rate of sea level rise of 4.2 mm/year from 2000 to 2080.

# UN Millennium Goals



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