

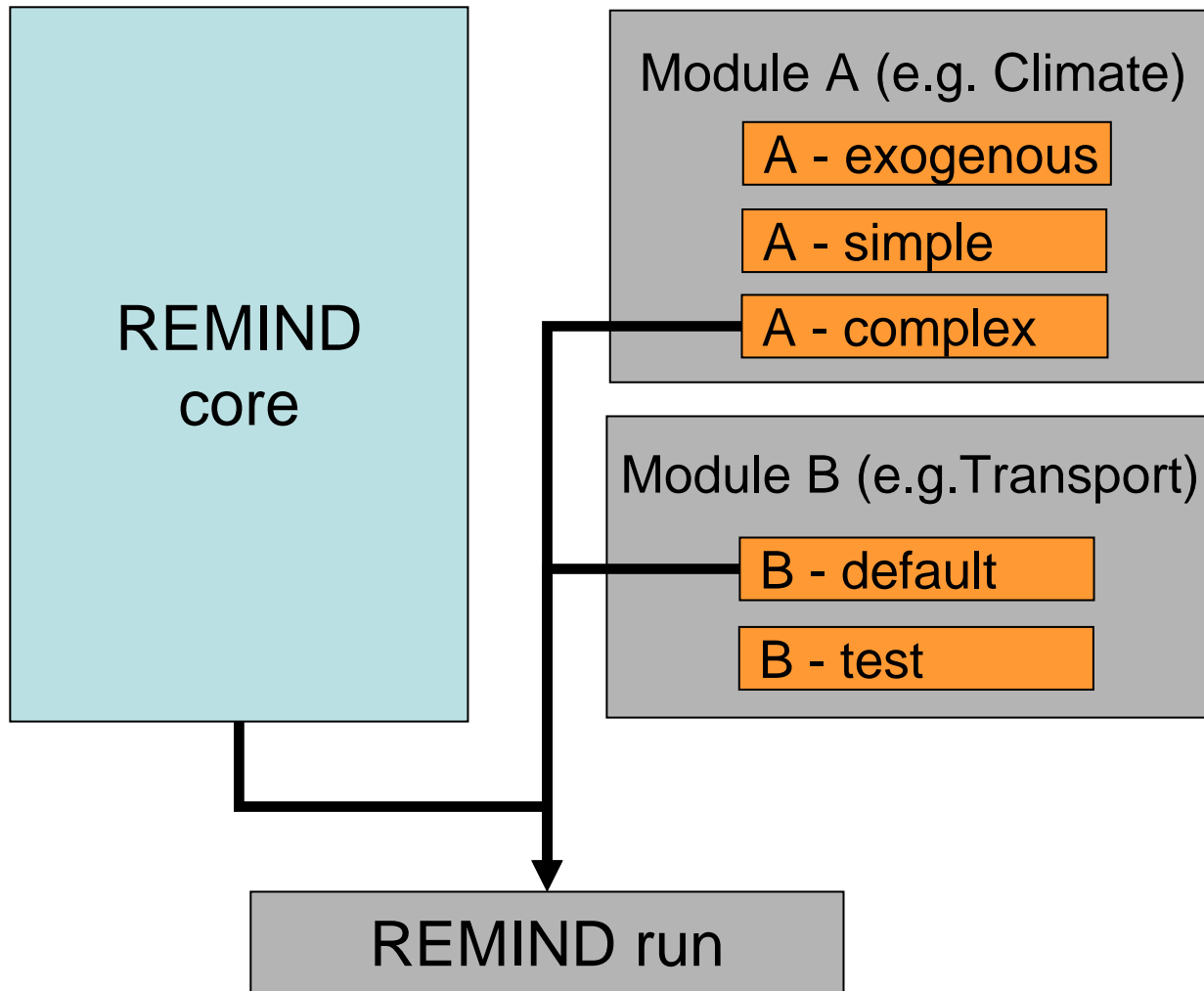


POTSDAM INSTITUTE FOR
CLIMATE IMPACT RESEARCH

Modular REMIND

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What does it mean?



What is different?

- **Technically nothing new**
(modularization = structured application of precompiler flags)
- **Conceptually some major changes:**
 - **More structured model development**
 - **New set of strict implementation rules**
(nomenclature, file names, file contents,...)
 - **Clear responsibilities and permissions for modules**
(module contracts)

Why modularization?

- Fully substitutable module realizations
- No unseen cross-connections
- No extensive branching needed anymore
- New debugging option: substituting suspicious realizations
- Better model scalability (performance)

Additional benefits

- Uncovers hidden code imperfections
- Clear rules where to find what
- Technical improvements (e.g. model „all“)