### Database coverage in InaTEWS

Initially: Sunda Arc (GITEWS/PROTECTS)  
Now: extended in joint project with Geoscience Australia / DMinnovation to altogether 15 trenches

### Comparison of modelling approaches in InaTEWS

InaTEWS contains:  
1. Database of precomputed high resolution tsunami scenarios (TsunAWI) including an inundation scheme  
2. On-the-fly modelling component (easyWave)

Current study investigates consistency of the warning products  
- Estimated Wave Height (EWH)  
- Estimated Time of Arrival (ETA)  

Potential reasons for varying results:  
- Bathymetry  
- easyWave: GEBCO (G08)  
- TsunAWI: GEBCO with additional data (G08MOD)  
- Governing equations (TsunAWI with add. terms like advection, viscosity, bottom friction)  
- Determination of warning products (the actual algorithm)

### Detailed study: Role of bathymetry

The largest discrepancies occur in this section, if the bathymetry is not adjusted

### Mismatch of warning levels

Scenarios (central patches) in the comparison

### Advisory – Warning mismatch

Fraction of mismatches on warning zone level for all easyWave vs. TsunAWI scenarios in the specified magnitude

### TsunAWI-WebGIS

All Sunda Arc scenarios are visualized at maps.awi.de -> TsunAWI. To be extended!