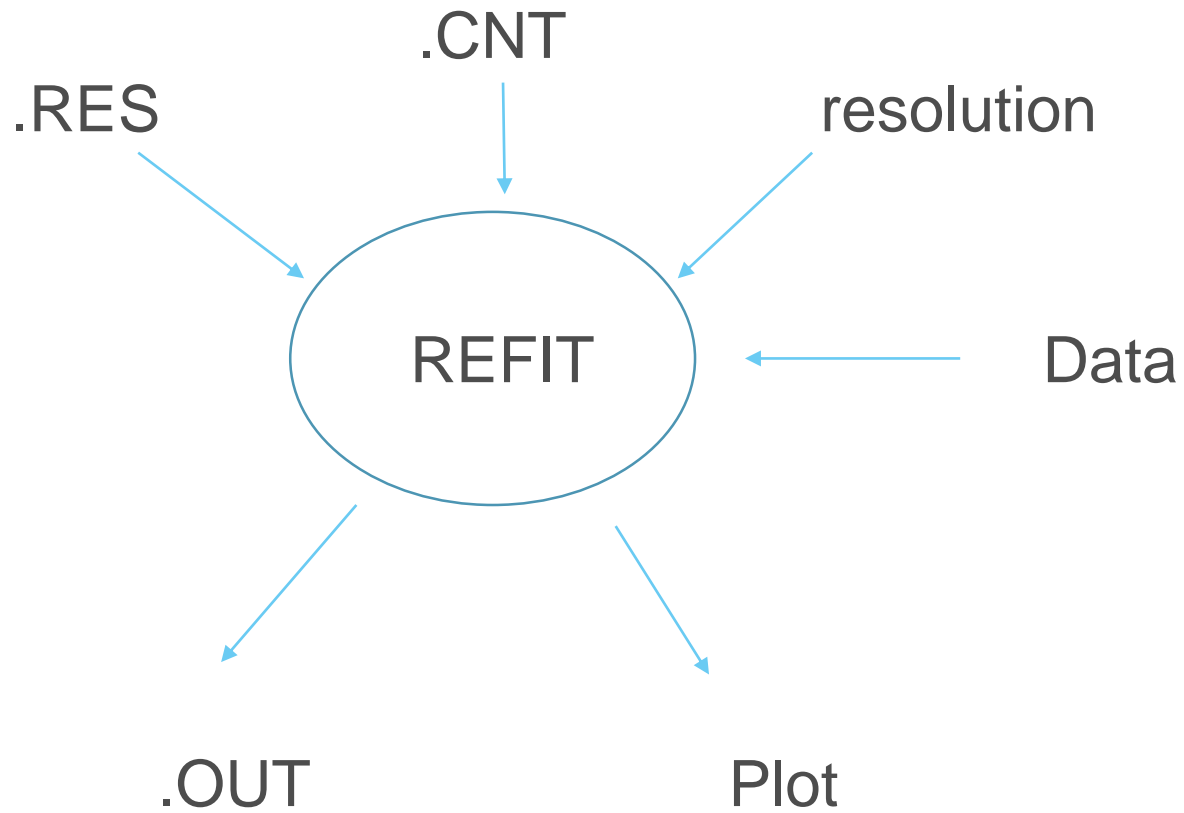




JRC RRR evaluations requirements and workflow

S. Kopecky



DATA

- Time-ordered
- Data set contains groups with sets of constant binning

Resonance files

- Contains spin group definitions
 - Channel radius
 - External R-matrix
- Resonance Parameter

.CNT file

- data sets
- experimental conditions
 - Response TOF-spectrometer
 - sample temperature (Doppler)
 - sample characteristics (nx, type, dimensions)
 - multiple scattering (capture)
 - detector characteristics (efficiency, n-sensitivity, ...)
 - gamma-ray attenuation in the sample
- resonance file to use
- fitting region and parameter

Workflow

- Check data files individually
- Check consistency of data-sets
- Check spin assignments
- Fit resonance parameters
 - Residuals - don't rely on Chi-squared only
- Check set of resonance parameters
 - Level statistics
 - adjust external levels to match thermal values
- Re-adjust resonance parameters

Keep in touch



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Thank you

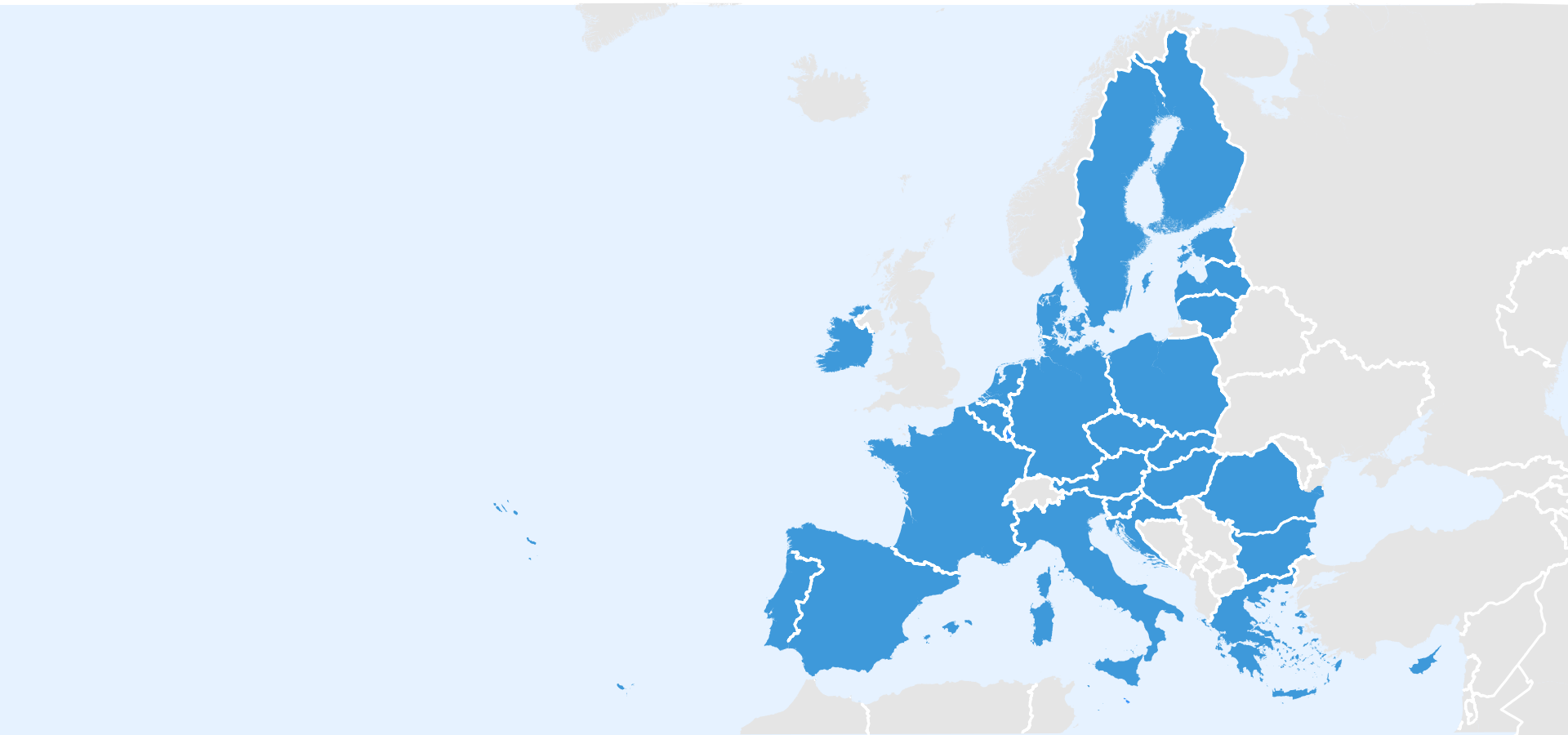


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EU countries



0 250 500 1,000 Km