Bari / Puglia Climate-Risk Evidence Brief

A regional application of Arasense model-trust intelligence for adaptation, infrastructure, and advisory teams.

model trust · 2050 hazards · evidence reports

Purpose

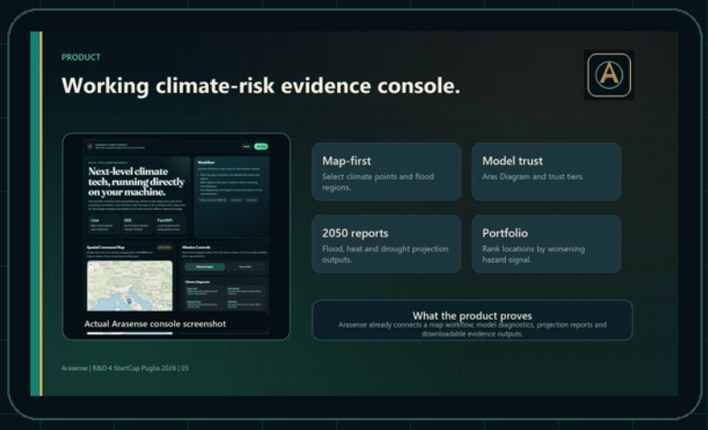
Arasense evaluates which climate models are credible for a specific location before using them for projections. For Bari and Puglia, the workflow can support flood-driving rainfall, heat, and drought evidence for planning and investment-facing decisions.

The output is not a single black-box number. It is a traceable evidence pack: trusted models, rejected models, projected hazard signal, uncertainty range, and model agreement.

REGIONAL FIT

Bari and Puglia

Coastal rainfall, heat exposure, infrastructure resilience, and adaptation planning are natural applications for a first regional evidence pack.



CONTACT

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What the evidence pack contains

A focused regional study can evaluate selected Bari and Puglia locations through the same Arasense workflow used for existing Bologna and Italian portfolio examples.

1

Select locations

City points, infrastructure assets, coastal zones, or a small portfolio of sites.

2

Score model trust

Compare model history against observations and decompose error with the Aras Diagram.

3

Project hazards

Estimate mid-century rainfall, heat, and drought signals using skill-weighted models.

4

Package evidence

Deliver a concise report with uncertainty, agreement, interpretation, and method notes.

Evidence already demonstrated

BOLOGNA

+14.2%

max 1-day rainfall by mid-century; 32 of 34 models passed skill screening.

ITALIAN PORTFOLIO

Rome #1

sample flood-driving rainfall ranking across five cities.

METHOD

Aras Diagram

peer-reviewed model-evaluation basis for trust scoring.

Flood-screening outputs are validation-stage evidence interpreted alongside local data, field knowledge, and engineering analysis.