



ASAP EMPIRE | SOUTH AFRICA

AI for earlier disaster decisions

Disaster decisions arrive too late

South Africa needs earlier, localised intelligence

Floods, wildfires, droughts and extreme weather move faster than fragmented data and manual coordination.

The opportunity is to turn satellite, weather and local reports into usable warnings and operational decisions for vulnerable communities.



PredictSA converts fragmented signals into actionable warnings



01 OBSERVE

Remote sensing, weather feeds and verified local reports.

02 UNDERSTAND

GIS risk mapping and AI-supported multi-hazard modelling.

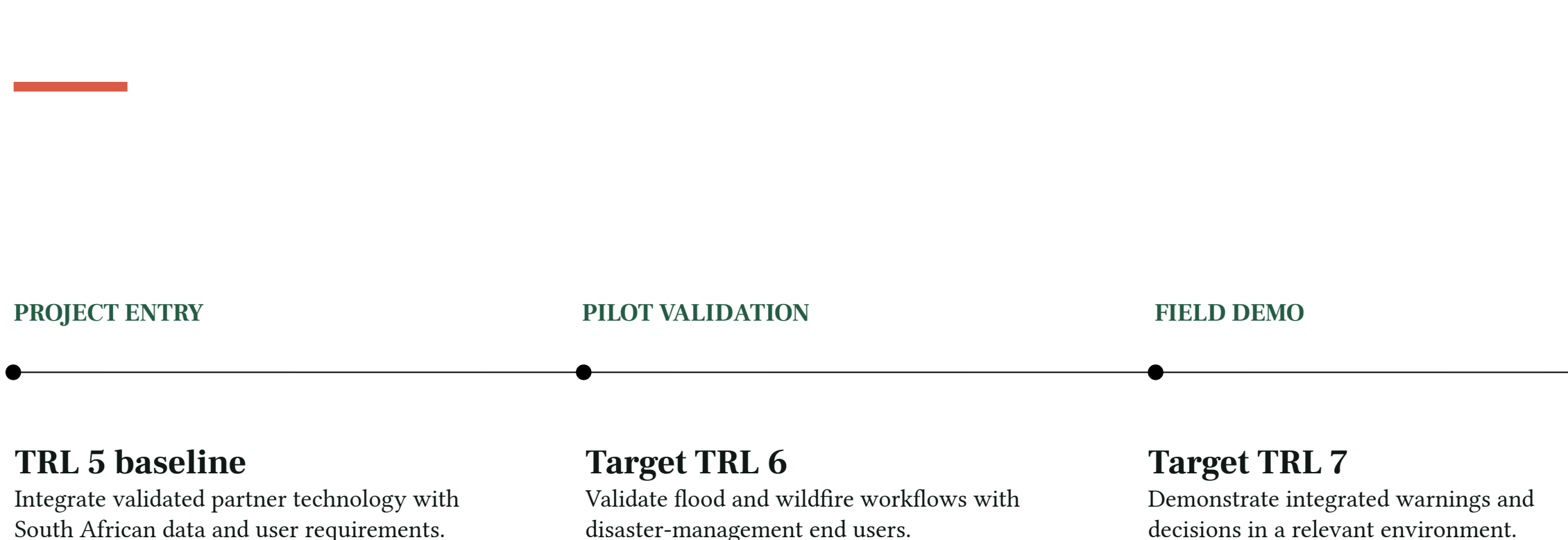
03 WARN

Multilingual, low-bandwidth alerts across accessible channels.

04 DECIDE

Operational dashboards that turn risk into prioritised action.

TRL 5 technology becomes an operational field demonstration



PROJECT ENTRY

TRL 5 baseline

Integrate validated partner technology with South African data and user requirements.

PILOT VALIDATION

Target TRL 6

Validate flood and wildfire workflows with disaster-management end users.

FIELD DEMO

Target TRL 7

Demonstrate integrated warnings and decisions in a relevant environment.

Each consortium partner has a clear commercial role



INTERNATIONAL TECH SME

Validated core technology, product engineering and integration leadership.



RESEARCH PARTNER

Hazard science, model validation, evaluation design and independent evidence.



ASAP EMPIRE ♦ SA END USERS

Local requirements, data integration, multilingual workflows, pilots and regional commercialisation.

South Africa pilots; SADC scales

Validation with real end users

Municipal disaster centres and emergency responders shape workflows, test alerts and assess operational value.

Commercial model

Annual platform licences, integration and support, plus sector subscriptions for agriculture, mining, insurance and infrastructure operators.



We are assembling the consortium around five capabilities



The ideal partners bring validated technology and commit to co-development, field testing and commercialisation.

- ✓ **TRL 5+ remote-sensing or warning technology**
- ✓ **Geospatial AI and hazard-model expertise**
- ✓ **Secure data interoperability and cloud integration**
- ✓ **Research-led validation and impact measurement**
- ✓ **Pilot access through disaster-management end users**

PREDICTSA

Build the consortium with us

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