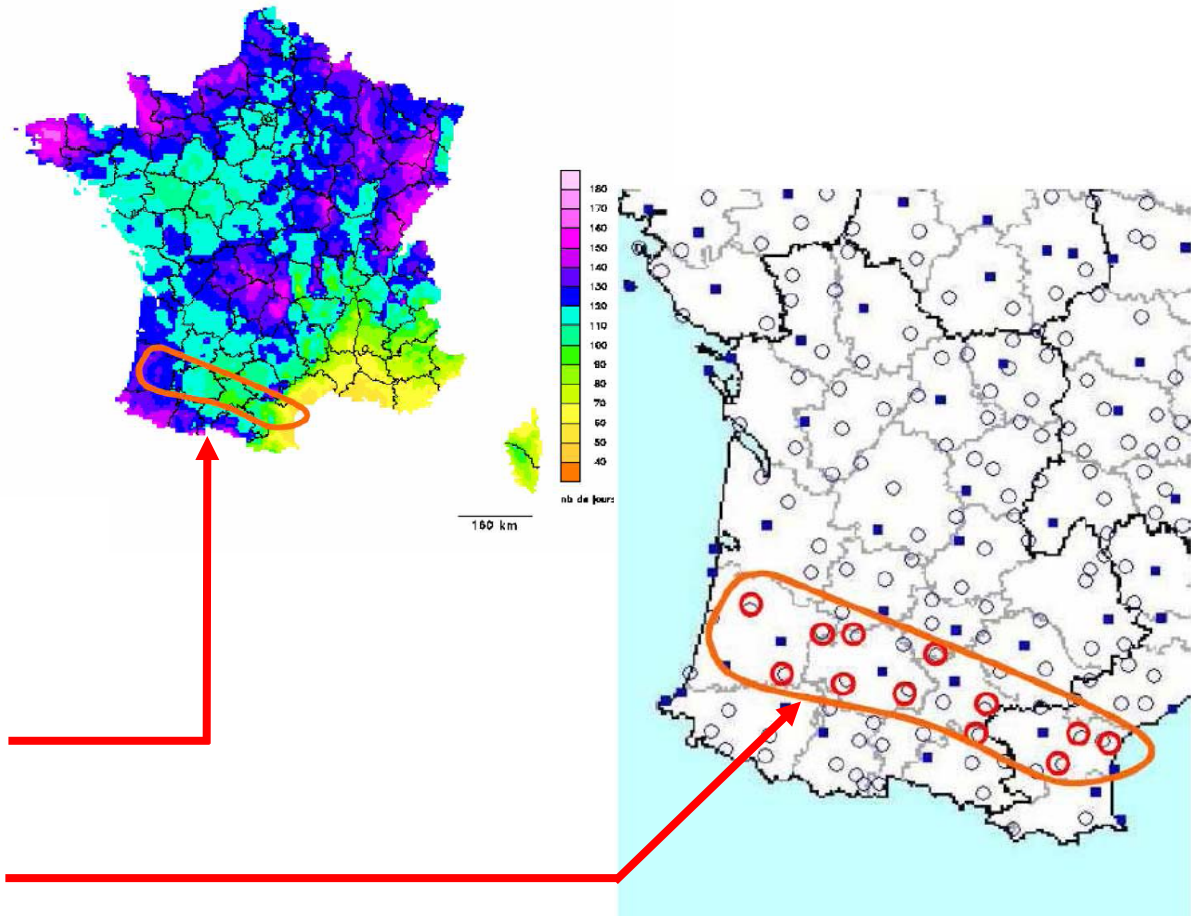


Assimilation: field and airborne campaigns

SMOSMANIA

NOMBRE MOYEN ANNUEL DE JOURS DE PRECIPITATIONS > 1 MM
MOYENNE 1961-1990

- ❑ **A national project (under review)**
- ❑ **Soil moisture networks are needed**
 - SMOS (and ASCAT) CAL/VAL
 - Assimilation: to help characterise/reduce the bias between SMOS products and the model wg
- ❑ **A 12 station network in SW France**
 - Atlantic-Mediterranean: a strong climatic gradient
 - RADOME operational network of Météo-France, delivering real-time data

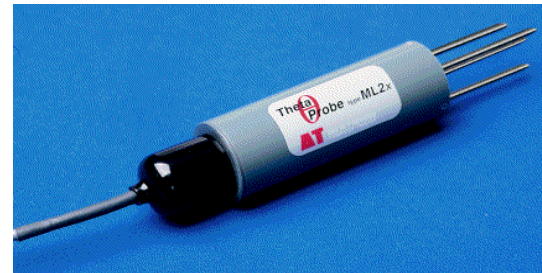


Assimilation: field and airborne campaigns

SMOSMANIA

□ Theta Probe ML2X

- Provider : Delta-T devices (UK)
- “frequency domain reflectometry”
- Extensively tested during Murex and Smosrex



□ Methodology

- 4 probes / station
- 3 surface probes
- 1 deep probe (-20 cm) representative of the root-zone

