SATER and NOVI
SATER and NOVI

- SATER: Aero Terrestrial Rescue Plan
  - IM 97-508; ORSEC dispositive, NOVI general and SATER specific disposition
  - Information gathering
  - Research
  - Rescue
SATER and NOVI

- SATER: Aero Terrestrial Rescue Plan
  - DOR, COR, RCC
  - SATER Alpha
  - SATER Bravo
  - SATER Bravo Limit
  - SATER Charly
NOVI / Rescue phase

- Working basis:
  - Worst-case scenario envisaged in term of organisation
  - 150 woundeds
  - No road access
  - Worst probable / possible meteo
NOVI / Rescue phase

- Organisation:
  - Departement level
    - Departmental command / coordination center
    - Departmental rescue command center
    - On site command center
  - Zonal level
    - Zonal Operational Center
  - National level
Rescue phase

- First helicopter:
  - Section Aérienne Gendarmerie Digne
    - Localisation of the site less than 30 mn after the crash

- 16 Others helicopters:
  - Gendarmerie, Sécurité Civile, Marine, Armée de terre, Armée de l’air, SAMU ...

- At least 3 planes
  - Mirage, KC135, AWACS
Rescue phase

Vehicles and men
Rescue phase
Heavy lift duties
Chemical analysis and sampling
Chemical analysis and sampling

- First hour on board manifest verification
- VDIP BMPM
  - Sampling Detection Identification Vehicle
- Mission:
  - Detect and analyse all potential toxic elements
  - Remove any doubt about radiological contamination
  - Assess the risks for the operators
  - Assess the environmental impact and risks
  - Delimitation of the contaminated area
Methods

- Soil, air and water sampling
- On site detection
- Spectrophotometric analysis
Chemical analysis and sampling

- **Results:**
  - **Air analysis:**
    - No radiological elements
    - Jet Fuel A1
  - **Soil analysis:**
    - No radiological elements
    - Jet Fuel A1
    - Traces of hydraulic fluid
  - **Water analysis before depolution dam**
    - Jet Fuel A1 before depolution dam
    - Traces of hydraulic fluid before depolution dam
Chemical analysis and sampling

- Environment:
  - Hydraulic fluids
  - No pollution identified after the onsite depolution dam
  - No pollution identified in the water in surrounding villages

- Toxicology:
  - Jet fuel A1
Families psychological support
Families psychological support

- A complex multicultural and multi organisational situation
  - 16 Nationalities and at least 4 religions among victims
  - 3 diplomatic corps on site H24
  - 4 psychological support teams from 3 nationalities
  - At least 6 French organisations involved
  - A heavy implication of Lufthansa in support of families
  - A tremendous media pressure
  - 2 different sites of intervention
Families psychological support

- **Key words: organization and coordination**
  - A clear organization chart
    - Medical and psy support coordination leader
    - Teams leaders
      - German, Spanish, French psy team leaders
      - Interpreters, Red Cross, Log, security team leader etc ...
  - Clear objectives
    - Welfare of the victims
    - Respect of medical confidentiality
    - Independence and neutrality
    - Capacity to host each family group independently
    - Create and keep medical records if needed
Families psychological support

- Complete integration in the operational chain of command
  - Director of Medical Teams (DSM)
  - Advanced Operational Command Post

- Clear area organization
  - Geographical sectorization
Families psychological support

- **Results**
  - More than 450 formal and informal psychological interviews

Teams psychological support

- **Results**
  - Mountain rescue teams
  - SD Teams
  - Translators
  - Other organizations support teams