



Germanwings A320 crash KILLARNEY 2015



Germanwings A320 crash
Seyne les Alpes – Haute-Provence
FRANCE

Agenda

INTRODUCTION movie (5min)

Alert, first operational response (10 min)

Doctor Frédéric PETITJEAN (Fire-fighter - SDIS 04)

Captain Jean-Paul MARZI (Gendarmerie – Helicopter section of Digne)

Judicial operation movie (6 min)

3D Coordination (12 min)

Colonel Laurent LE GOFF (Gendarmerie – Helicopter force HQ)

Terrestrial operation (20 min)

Coordination : lieutenant-colonel Jean-Joël LORIETTE (Gendarmerie - PGHM)

A day with the rescuers : brigadier-chief Marc ALMONTE (Police – CRS)

Operational and family support (10 min)

Doctor Frédéric PETITJEAN (Fire fighter - SDIS 04)

Germanwings A 320 crash disaster

MOUNTAIN RESCUE COORDINATION

FRANCE – Gendarmerie

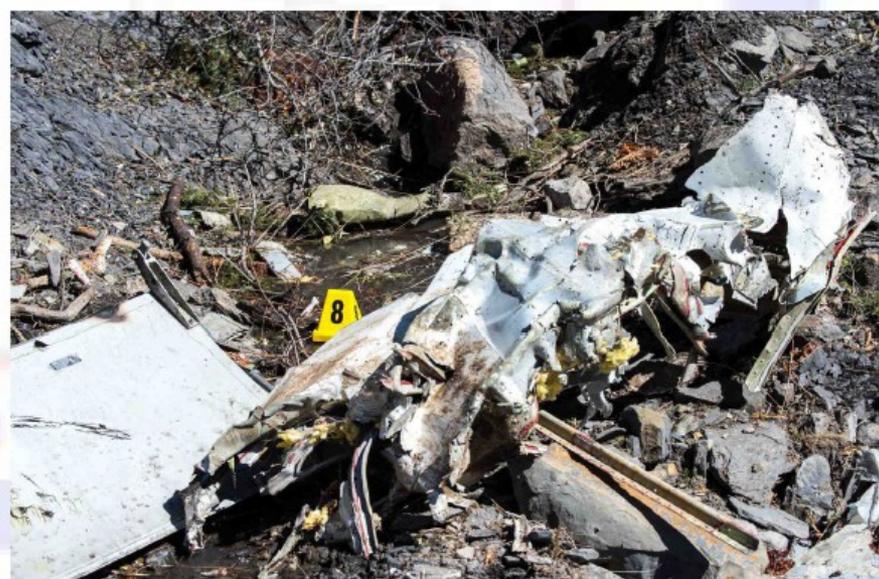
Lieutenant-colonel Jean-Joël LORIETTE

Technical mountain councillor (CTM)



La zone de recherche :

2 ha entre
1800 mètres et
1400 mètres
d'altitude



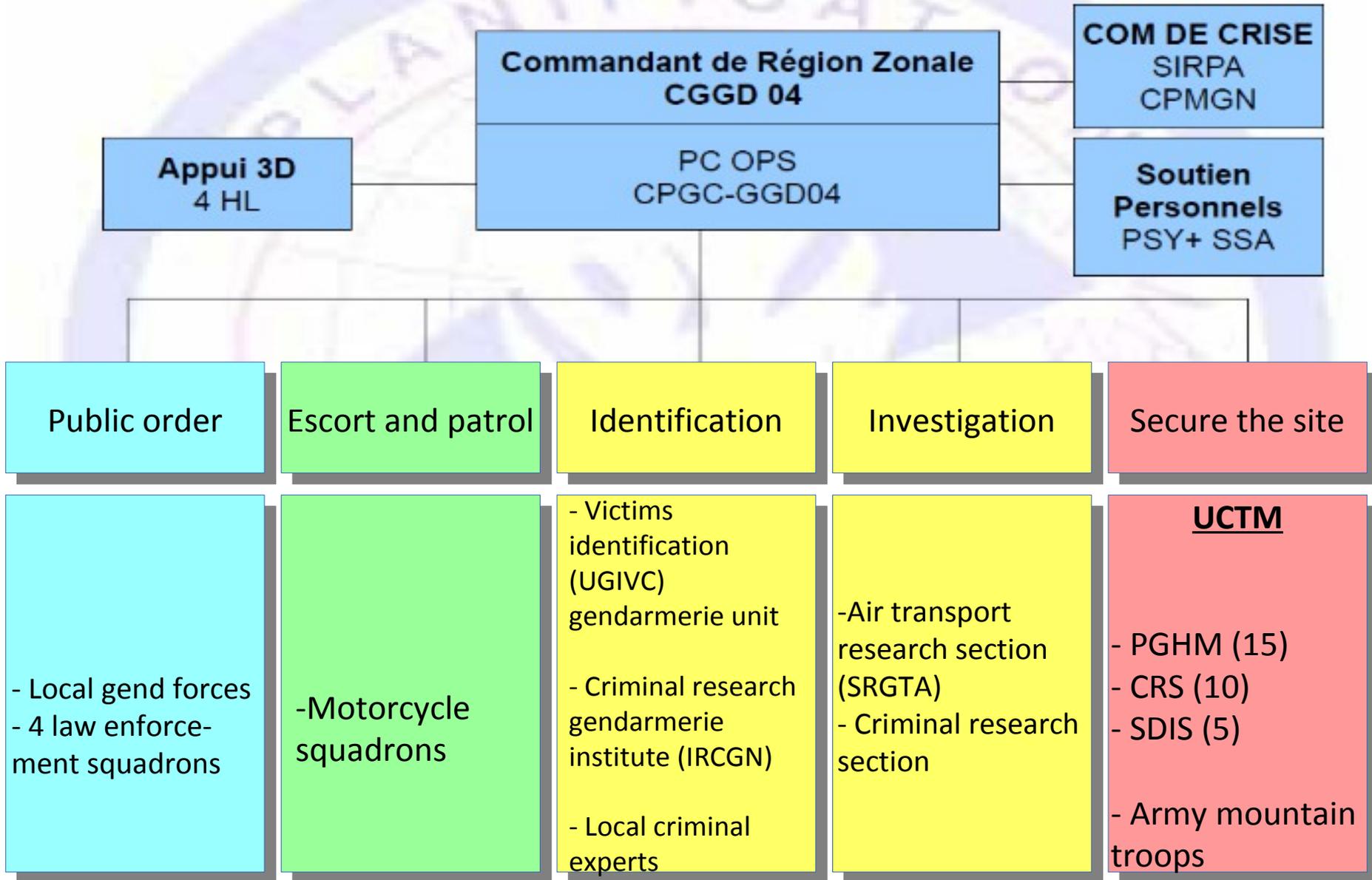
Gendarmerie missions

- Judicial police
 - **Victim identification**
 - Collecting body pieces
 - Collecting personal belongings
 - **Inquire about circumstances**
 - Securing the site
- Public order
 - Secure official visits
 - Facilitate family visits
 - Protect different HQ





Articulation Gendarmerie



This mission required to
coordonate movements and work
on the crash site :

- to **prevent accident**
- to be efficient

UCTM organisation



UCTM

Created in august 2014
to prevent accidents

GENDARMERIE
Operations director
General PATTIN

CTM
LCL LORLETTE
Technical mountain councillor

UNITE DE COORDINATION TECHNIQUE MONTAGNE

UCTM

Mountain rescue coordination unit

Operational support

Cne RENARD
Maj GARY

**Assesment
and control**

Cne FERNANDEZ
Maj RASTOUIL

Logistic

Maj JOUANNY

UCTM : first mission of operational support

Ravines A à F



Zone « haute »

Zone « basse » (Impact)

Mountain rescue coordination

- Reconnaissance mission to define a strategy
 - Constraints
 - Natural ground dangers
 - Scattered plane fragments
 - Steep slope
 - Requirement :
 - avoid a new-accident
 - => Limit the number of people on the site (50)
 - => Coordination rescuers movement
 - => daily briefing
 - Continuity of mission
 - => building a track

Mountain rescue coordination

- **Course of action**
 - Constant assistance of high mountain rescue units
 - => Couple « mountain rescuer / investigator »
 - Winch operation
 - Operate from the top
 - Coordinate the top and the bottom work
 - Limit the exposure to jet fuel inhaling

The staff

- On the crash site : 30 mountain rescuers a day
 - 15 gendarmes
 - 10 policemen
 - 5 fire-fighters
 - Army mountain troops platoon (on peripheric area)
- Amount of staff limited to 50 (including the investigators) on the crash site

1^{er} jour



Première évacuation vers une zone sécurisée...

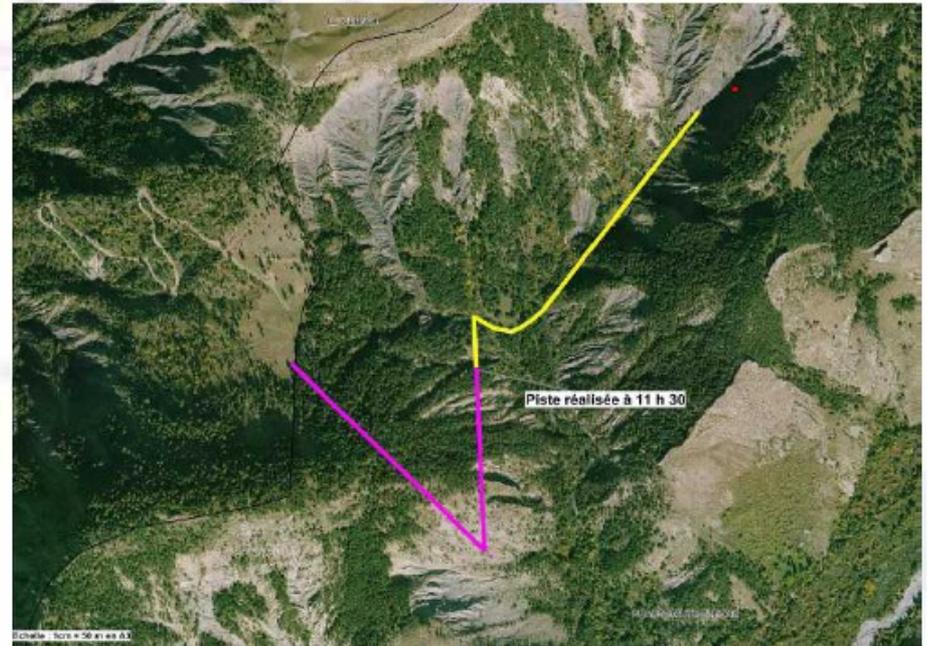
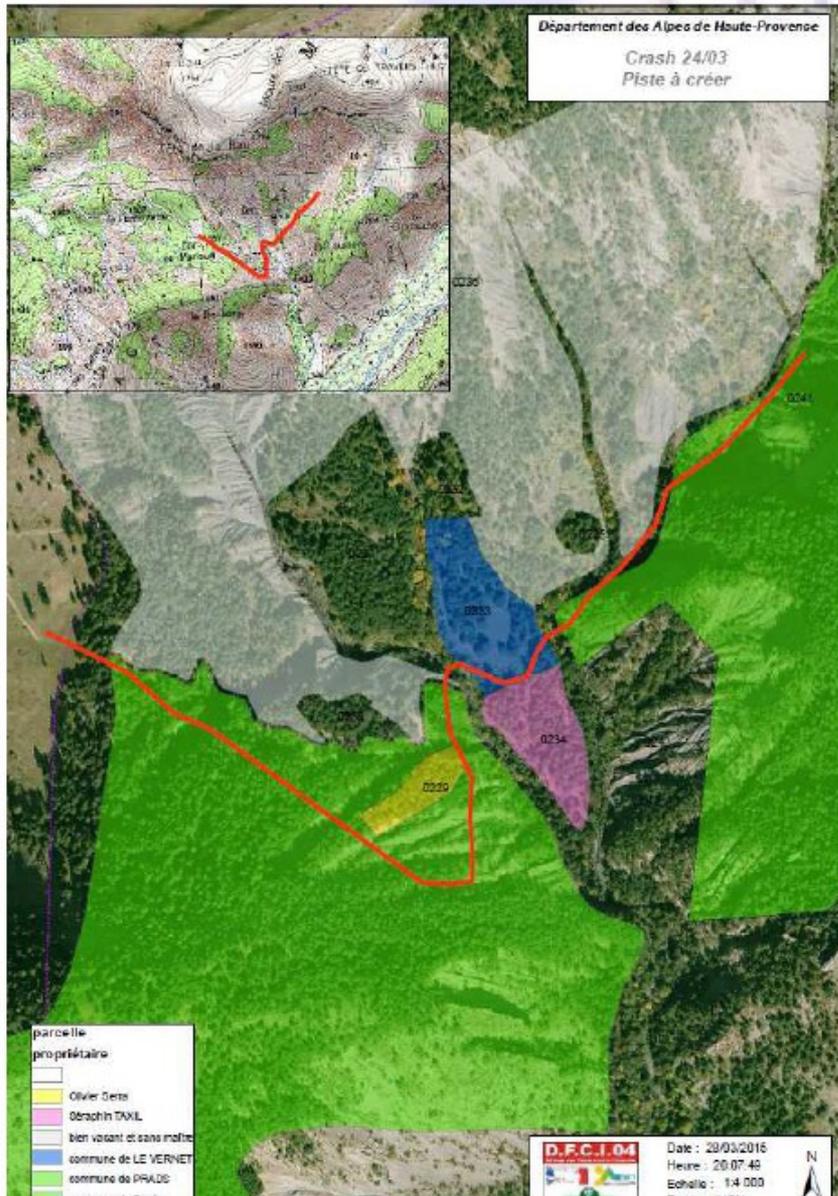




Anticipation

- Freedom of movement
 - => Building a track
- Staff turn-over and psychological support
 - On the site and after
- Logistical support
 - Rescue team HQ
 - Alpinism equipment for investigators

Building a track to maintain continuity of the mission



Results

- Discovery of the two black boxes
- Treatment of 2866 biological fragments leading to 150 different DNA
- More than 500 personal belongings sealed
- 104 flight hours
- 304 drops
- **No accident**
- 10 days instead of 3 weeks