

INDIGO-system för krishantering och gemensam lägesbild: möjligheter och utmaningar

Lindy Newlove-Eriksson och Helena Hermansson



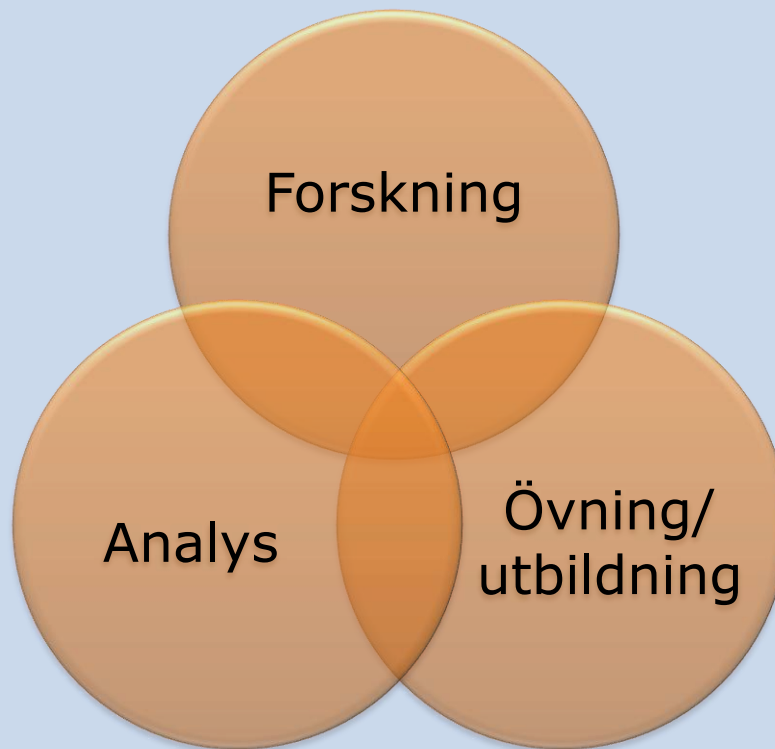
CRISMART

Nationellt Centrum för Krishanteringsstudier

- Grundades år 2000
- På Försvarshögskolan
- Forskningsbaserad organisation
- 26 anställda + nätverk
 - 10 doktorander
 - 7 disputerade forskare
 - Leds av Prof. Eric K Stern



Crismarts verksamhet



Bakgrund

- ”Naturlig” utveckling av CRIMSON-projektet
 - Krishanterare övades i simulerade kriser i stadsmiljö
- Används av Radioprotection and Nuclear Safety Institute (IRSN) i Frankrike och av the European Space Agency (ESA)
- CRIMSONs utvecklingspotential:
 - Beslutstödsverktyg att använda under verkliga händelser och i realtid
 - Utvidgande av aktörer som använder det förbättrade systemet

INDIGO

- EU-projekt (FP7)
- INDIGO-konsortiet skapades 2010

Mål:

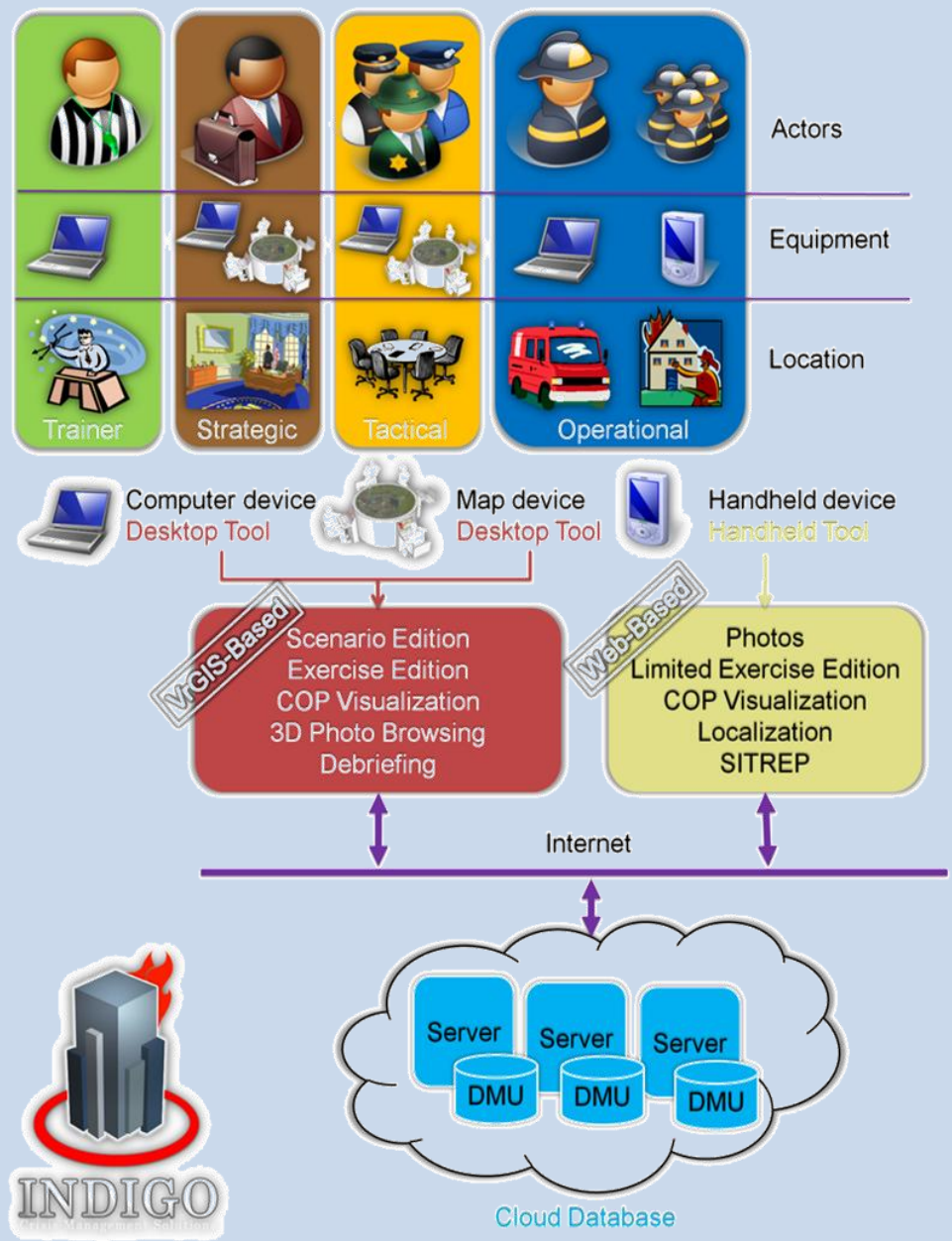
INDIGO ska förse krishanterare och blåljusorganisationer med ett verktyg för att träna personal, planera insatser, och underlätta krishantering och samverkan över organisations- och landsgränser

- Samarbete med potentiella slutanvändare
- Övningar i Frankrike och Sverige



Bland svenska partners till INDIGO finns

- Statsrådsberedningens Krishanteringskansli
- Länsstyrelsen i Stockholms län
- Landstinget i Stockholms län
- Storstockholms Brandförsvär
- Lantmäteriet
- Rikspolisstyrelsen

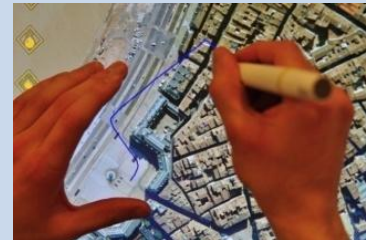
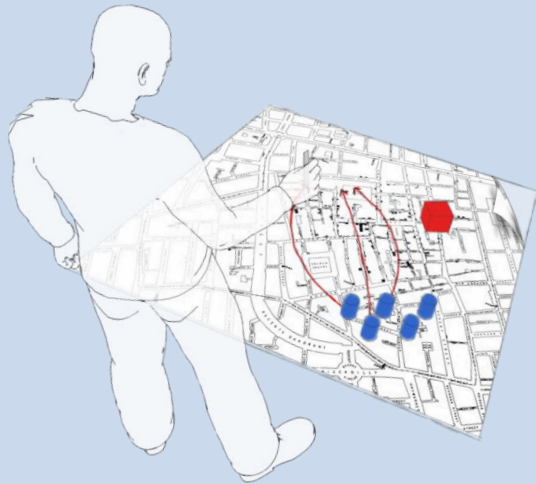


Potential

- Förbättrad samlad lägesbild i realtid
 - kartbord
 - symboler
 - kommunikation mellan beslutsnivåer
 - informationshantering
- Förbättrad dokumentation
- Tydligare återkoppling vid övning

Kartbord

- Rörlighet
- Intuitivitet
- Anpassningsbarhet
- Bekvämlighet
- Samarbetsmöjlighet



Pen and paper
metaphor



Tactile and
stylus input

16:12



JEROME MOULIN

ALL

Search ...

24/01 16:11 ALEXANDRE DUPONT @ ALL

New Incident : Fire @ 44.017 44° 01'N | 1.333 1° 20'E

24/01 16:09 ALEXANDRE DUPONT @ OPERATIONAL

Please send reinforcements

24/01 16:01 REMI JULIENNE @ ME

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

24/01 10:16 ERIC BOUMAOUR @ OPERATIONAL

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

24/01 06:41 ERIC BOUMAOUR @ OPERATIONAL

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23/01 23:24 JEAN BONNEAU @ ME

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

23/01 22:56 ERIC BOUMAOUR @ OPERATIONAL

23/01 22:56 JEAN BONNEAU @ ALL



Share

- ☒ Update Fire Shape (+14%)
- ☒ Update Firemen Unit #15 position
- ☒ Creation : Fire #2
- ☐ Creation : Firemen Unit #18

Message :

Share to : STR. TAC. OPE

OK

CANCEL



SHARE



REVERT

TOOLS



SYMBOLS

INFRASTRUCTURE

ACTIVITE

RECENT



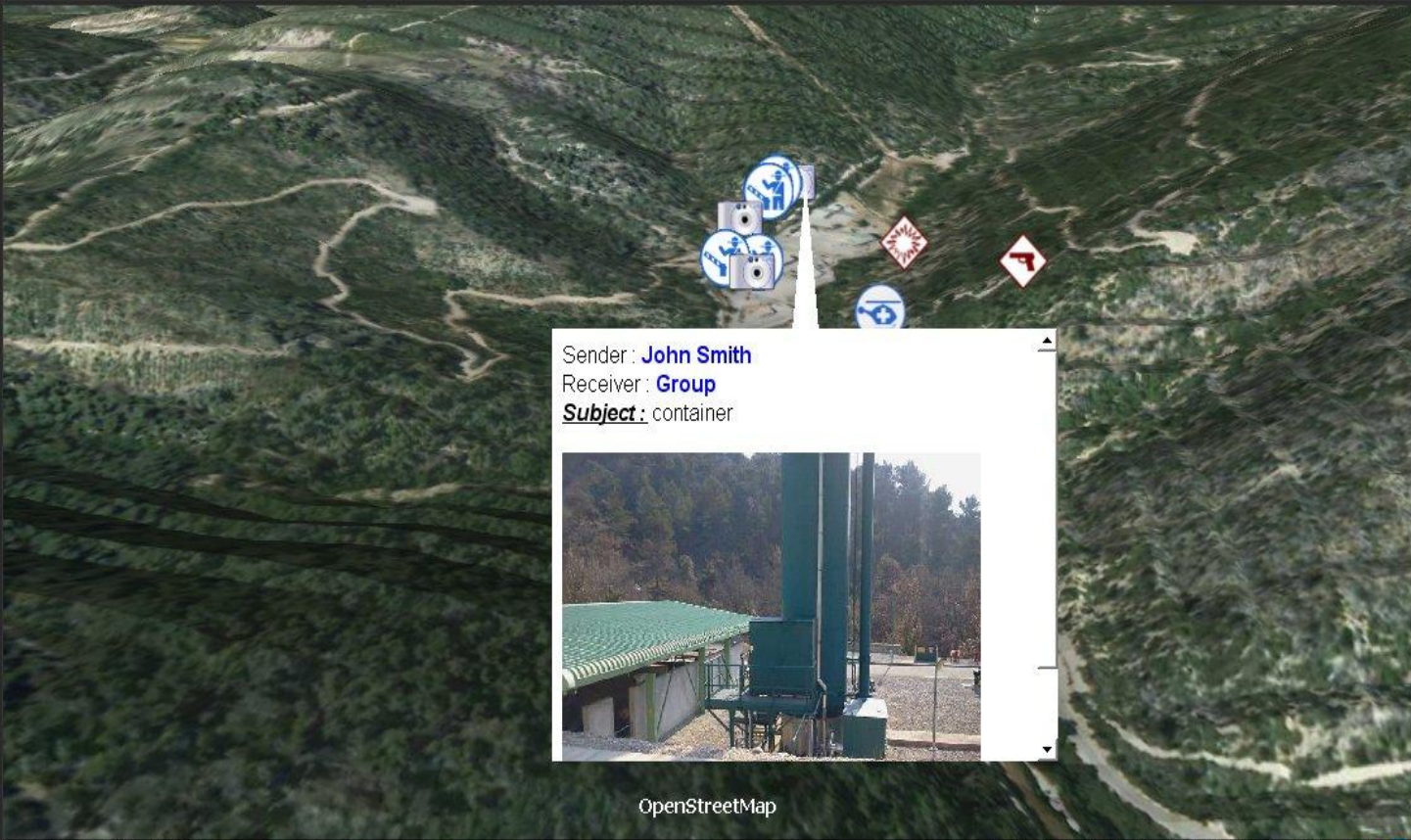
PROJECT BROWSER

- Layer
- Sky
- SRIM90
- BMNG
- OpenStreetMap
- Incidents
- Resources
- Infrastructures
- Activities
- Actors
- Photos
- Overlay
- SITREP
- header
- header

EVENT LOG

Priority	Date	From	To	B	Subject
Normal	14:32 15/03	guest@	trainer strategic tactic operational		
Normal	14:32 15/03	guest@	trainer strategic tactic operational		press evenet
Normal	14:07 16/03	guest@	trainer strategic tactic operational		bonjour arnaud
Critical	14:14 16/03	guest@	trainer strategic tactic operational		truc
14:14 16/03 Current Situation					

Upcoming Events Sequence Log Event Log

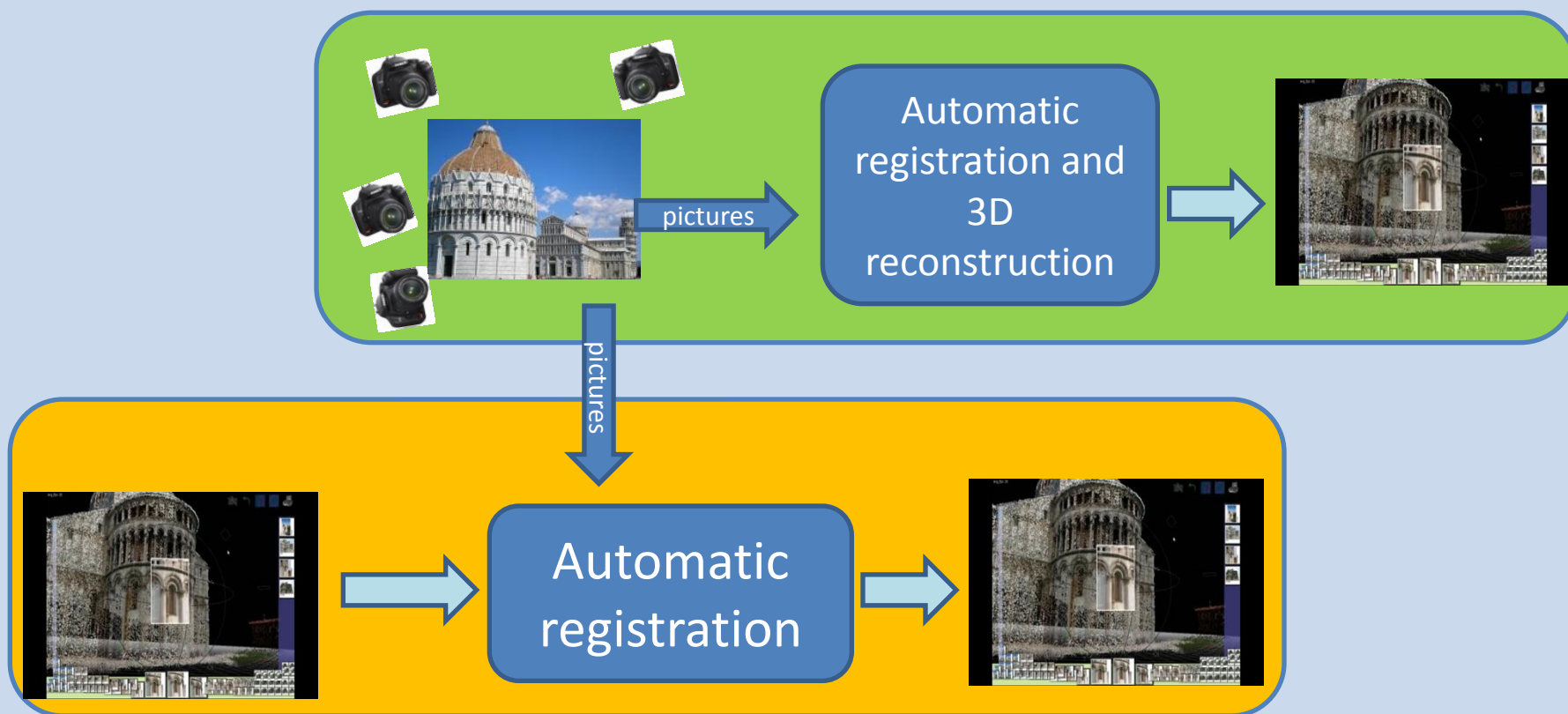


Sender : John Smith
Receiver : Group
Subject : container



OpenStreetMap

Photo browser



SEQUENCES

NEW GROUP

NEW SEQUENCE

INITIALIZATION

1 RUNNING

**SEQ 1** : Lorem ipsum dolor
3 EVENTS**SEQ 2** : Voluptatem accusantium
doloremque
8 EVENTS (RUNNING)**SEQ 3** : Consectetur Adipiscing
sed do tempor
5 EVENTS**SEQ 4** : Consectetur Adipiscing
sed do tempor
5 EVENTS

POLICE

1 RUNNING

FIREMEN

0 RUNNING

**SEQ 9** : Consectetur Adipiscing
sed do tempor
5 EVENTS

24/01 16:11 ALEXANDRE DUPONT @ ALL

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23/01 23:24 JEAN BONNEAU @ ME

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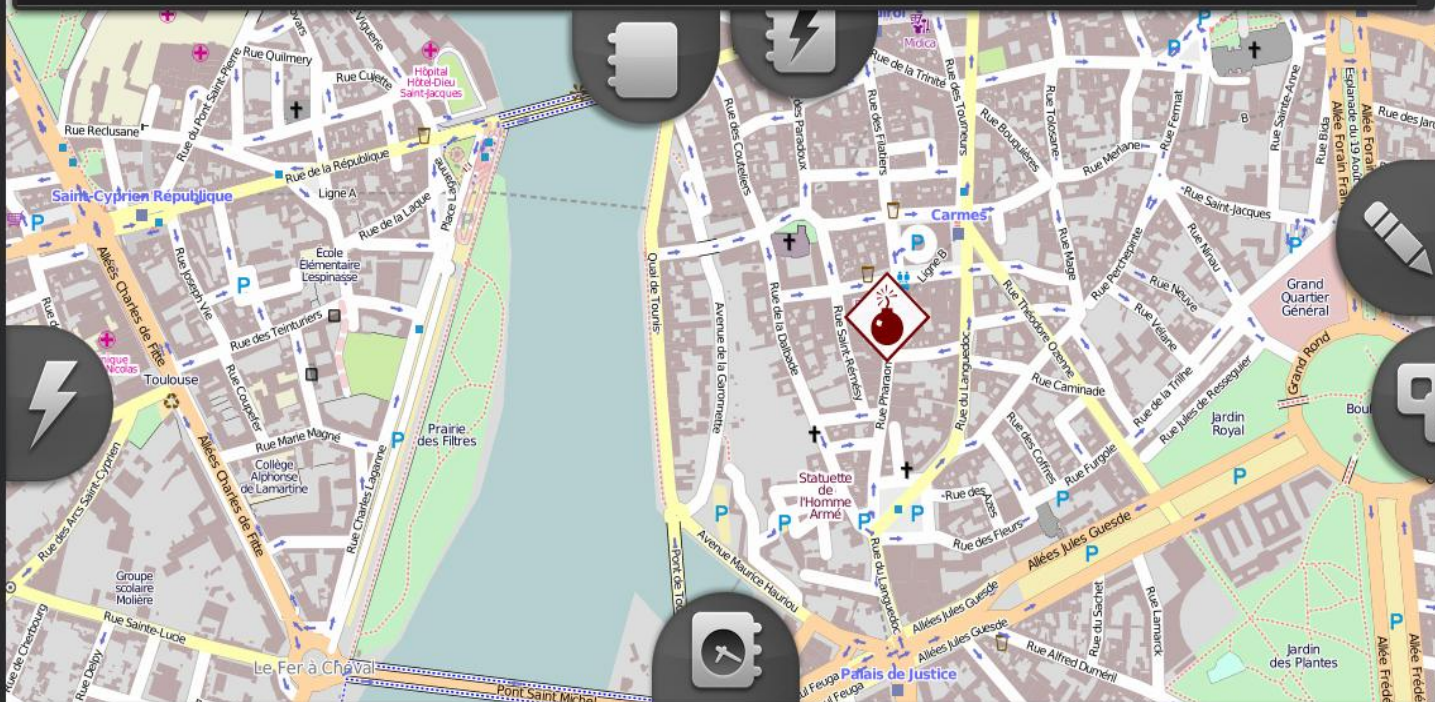
23/01 22:56 ERIC BOUMAOUR @ OPERATIONAL

Duis aute irure dolor in reprehenderit in voluptate.

23/01 22:56 JEAN BONNEAU @ ALL

Extempore sint occaecat cupidatat non proident

GLOBAL EVENT LOG



UPCOMING EVENTS

00:00 '09 ALEXANDRE DUPONT @ ALL

Ut aliquip ex ea commodo consequat

00:02 '43 ALEXANDRE DUPONT @ OPERATIONAL

Please send reinforcements

00:52 REMI JULIENNE @ JEAN MICHEL

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt

00:53 ERIC BOUMAOUR @ OPERATIONAL

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea co

	 TRAINER	 STRATEGIC	 TACTIC	 OPERATIONAL
10:01	A.DUPONT @ ALL New Incident : Fire @ 44.017 44° 01'N 1.333 1° 20'E	A.DUPONT @ ALL New Incident : Fire @ 44.017 44° 01'N 1.333 1° 20'E	A.DUPONT @ ALL New Incident : Fire @ 44.017 44° 01'N 1.333 1° 20'E	A.DUPONT @ ALL New Incident : Fire @ 44.017 44° 01'N 1.333 1° 20'E
10:05	A.DUPONT @ OPERATIONAL Please send reinforcements			A.DUPONT @ OPERATIONAL Please send reinforcements
10:05	R.JULIENNE @ J. MOULIN Lorem ipsum dolor sit amet, consectetur adipisicing elit, ...		R.JULIENNE @ J. MOULIN Lorem ipsum dolor sit amet, consectetur adipisicing elit, ...	R.JULIENNE @ J. MOULIN Lorem ipsum dolor sit amet, consectetur adipisicing elit, ...
10:06	E.BOUMAOUR @ OPERATIONAL Ut enim ad minim veniam, quis nostrud exercitation ullamco...	E.BOUMAOUR @ OPERATIONAL Ut enim ad minim veniam, quis nostrud exercitation ullamco...		E.BOUMAOUR @ OPERATIONAL Ut enim ad minim veniam, quis nostrud exercitation ullamco...
10:09 ★	E.BOUMAOUR @ OPERATIONAL Duis aute irure dolor in reprehenderit in voluptate.	E.BOUMAOUR @ OPERATIONAL Duis aute irure dolor in reprehenderit in voluptate.		E.BOUMAOUR @ OPERATIONAL Duis aute irure dolor in reprehenderit in voluptate.
10:25	J.BONNEAU @ J. MOULIN Ut enim ad minim veniam, quis nostrud exercitation ullamc...			J.BONNEAU @ J. MOULIN Ut enim ad minim veniam, quis nostrud exercitation ullamc...
10:26	E.BOUMAOUR @ OPERATIONAL Duis aute irure dolor in reprehenderit in voluptate.	E.BOUMAOUR @ OPERATIONAL Duis aute irure dolor in reprehenderit in voluptate.		E.BOUMAOUR @ OPERATIONAL Duis aute irure dolor in reprehenderit in voluptate.
10:30 ★	J.BONNEAU @ ALL Excepteur sint occaecat cupidatat non proident		J.BONNEAU @ ALL Excepteur sint occaecat cupidatat non proident	J.BONNEAU @ ALL Excepteur sint occaecat cupidatat non proident
10:32	R.JULIENNE @ E.BOUMAOUR New Incident : Fire @ 44.017 44° 01'N 1.333 1° 20'E	R.JULIENNE @ E.BOUMAOUR New Incident : Fire @ 44.017 44° 01'N 1.333 1° 20'E	R.JULIENNE @ E.BOUMAOUR New Incident : Fire @ 44.017 44° 01'N 1.333 1° 20'E	
10:32	A.DUPONT @ OPERATIONAL Please send reinforcements			A.DUPONT @ OPERATIONAL Please send reinforcements
10:47	R.JULIENNE @ J. MOULIN Lorem ipsum dolor sit amet, consectetur adipisicing elit, ...		R.JULIENNE @ J. MOULIN Lorem ipsum dolor sit amet, consectetur adipisicing elit, ...	R.JULIENNE @ J. MOULIN Lorem ipsum dolor sit amet, consectetur adipisicing elit, ...
11:07	E.BOUMAOUR @ OPERATIONAL Ut enim ad minim veniam, quis nostrud exercitation ullamco...	E.BOUMAOUR @ OPERATIONAL Ut enim ad minim veniam, quis nostrud exercitation ullamco...		E.BOUMAOUR @ OPERATIONAL Ut enim ad minim veniam, quis nostrud exercitation ullamco...
				

Utmaningar

- Tekniktröskel
- Interoperabilitet
- Säkerhet
- Dokumentation
- Databeroende
- Analysfunktion



För mer information om INDIGO,
se hemsidan:
<http://indigo.diginext.fr>

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helena.hermansson@fhs.se

