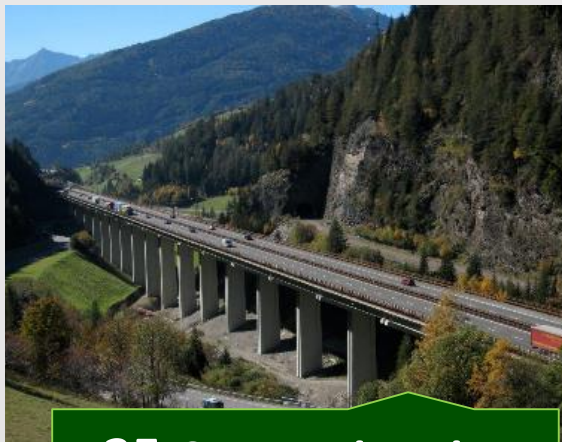


INSTITUTIONAL COOPERATION - MANAGING MAJOR CRITICAL EVENTS AT NATIONAL LEVEL

Alessandro MUSMECI - AISCAT

AISCAT Network: Some Figures



25 Concessionaire Companies



6,003 km in operation



1,940 km \geq 3 lanes per way



25 km International Tunnels



705 Tunnels (total length 865 km)



1.628 Bridges & Viaducts (total length 1,035 km)

AISCAT Network: Some Figures

86% of the total
motorway network
under concession

3% of the national
primary road network

Over 83.8 Billions of
km travelled

About $\frac{1}{4}$ of the whole
national mobility
demand

About 23% of the total
traffic represented by
HVs

In the last 30 years, +
13% of total length
increase vs +100% of
total traffic increase

Data at 31.12.2017



The National Mobility Coordination Centre - “Viabilità Italia”



The Event

In the winter-time of 2004 heavy snowfalls caused mobility breaks for a great part of the Italian transport system

The Needs

Implementing new tools for managing traffic in particular conditions

Sharing solutions and work among Institutions and main mobility operators

The Solution

Hence the “National Mobility Coordination Centre” (renamed afterwards “Viabilità Italia”) was born in 2005 to deal with crises on the main road and railway network at national level and to tackle such events in a more effective way.

The Structure

Viabilità Italia is chaired by the Director of Italian Road Police Service



Ministry of Infrastructure and Transport
(Vice President for analysis and planning)



Fire Department, Public Aid and Civil
Defence (Ministry of the Interior - Vice
President for critical events)



Department of Territorial Affairs
(Ministry of the Interior)



Department of Civil Protection
(Presidency of the Council of Ministers)



Road Police (Ministry of the Interior -
Public Security Department)



Railway Police (Ministry of the Interior -
Public Security Department)

The Structure is set up within the Ministry of the Interior



Carabinieri



Italian Association of Tolled Motorways
and Tunnels



ANAS S.p.A. (the National Road
Operator)



State Railways S.p.A.



Department for Supervision of
Concessionaire Companies (Ministry of
Infrastructure and Transport)



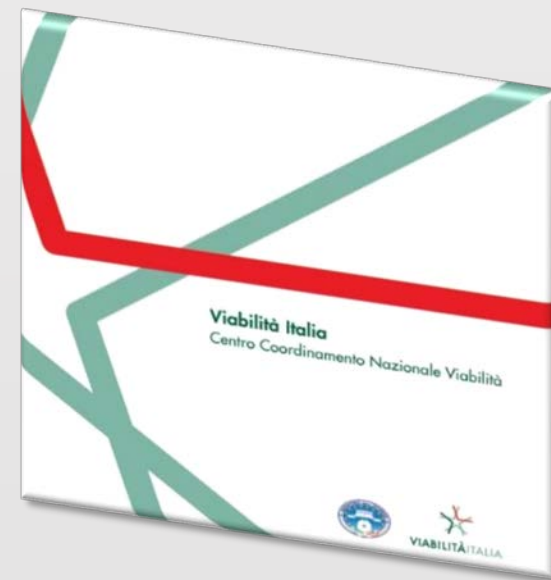
Union of Italian Provinces and
Association of the Municipalities

The Mission

Guarantee smooth and safe mobility in case of critical events (preventive and managing measures)

Share information and improve coordinated activities among its partners

Disseminate institutional and coordinated communication to users (especially hauliers), media and other operators



The Operational Mobility Committees (COV)

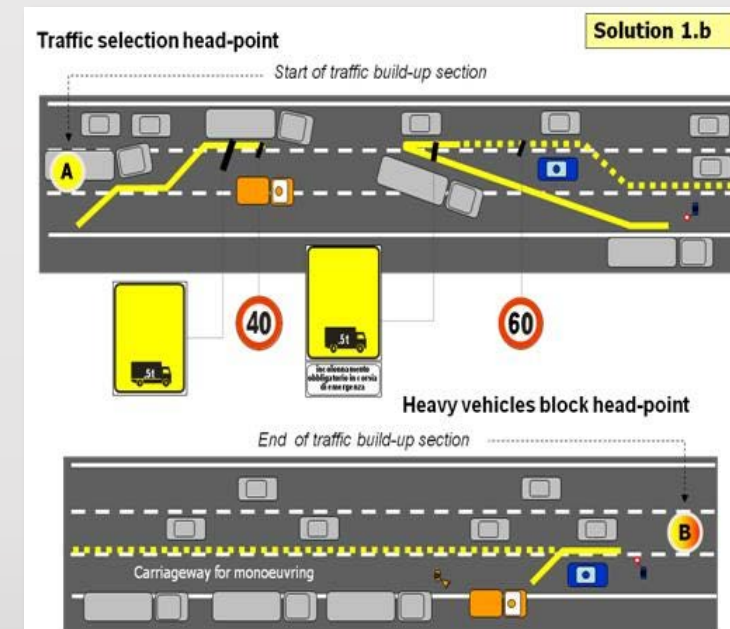
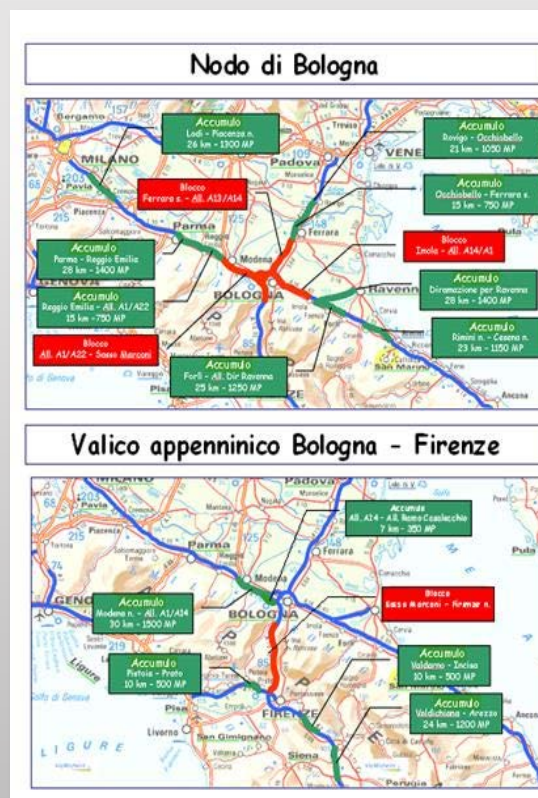
- At local level, Viabilità Italia's activity is guaranteed by the Operational Mobility Committees (COV) within the Prefectures (i.e. the Central Governmental Institutions on county level), coordinated by an Officer from the Prefecture and including the local section of the Police Forces and the Fire-Brigade
- Operational plans and procedures were outlined for traffic management, aimed to improve the coordination during critical events, especially for the activity carried out by the civil protection, for possible ordinances on traffic limitations and for coordination with Viabilità Italia
- The planning activity carried out by the Viabilità Italia and the COV over the last years emphasized the importance of the involvement of public and private authorities working together during crisis situations
- The experience demonstrates the important contribution of the Local Police to achieve continuity of action by patrolling and managing mobility along alternative urban routes

The National Plan for Heavy Snowfalls

- National Management Plan for mobility emergencies due to bad weather conditions in wintertime

Specification of

- Contents for specific emergency operating plans
- Classification codes of the emergency level and related provisions
- Communication and information procedures (to road users)
- Motorway critical nodes, stretches and areas
- Motorway sections for temporary storage of HVs
- Activities of all the resources involved in the emergency management



Modelli di informazione al traffico		
codice di allerta neve	stato dell'evento	contenuto dell'informazione (traduzione su PMV) (es.)
neve codice "zero"	emessa allerta meteo ad alto impatto	PREVISTA NEVE
verde	strutture pronte ad operare; precipitazione non iniziata	svincolo inizio svincolo fine
giallo	neve in atto con intensità non critica e senza effetti sul deflusso del traffico	NEVE (o NEVE INTENSA o CODE PER NEVE/NEVE INTENSA) svincolo inizio svincolo fine
rosso	nevicata intensa gestita in avvicinamento al limite delle potenzialità/possibilità	NEVE INTENSA (o CODE PER NEVE INTENSA) dopo svincolo inizio (fino svincolo fine) POSSIBILI BLOCCHI
nero	primi veicoli posti di traverso sulla carreggiata	BLOCCO PER NEVE svincolo inizio svincolo fine
nero codice nero	veicoli posti di traverso in più punti o stima di tempi non brevi per risolvere il primo blocco	CHIUSO PER NEVE (*) svincolo inizio svincolo fine

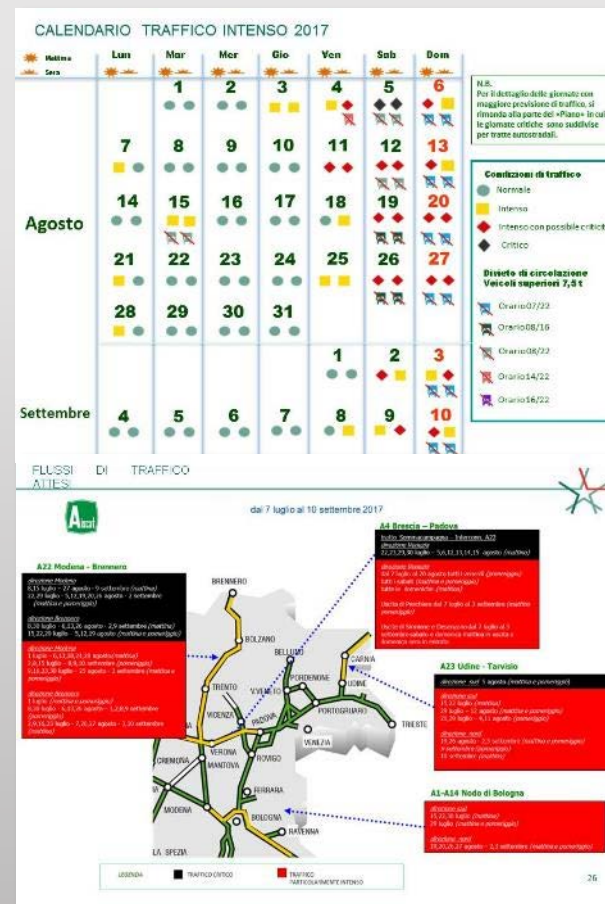
(*) in anticipo rispetto alla chiusura effettiva

The National Plan for Summertime Departures

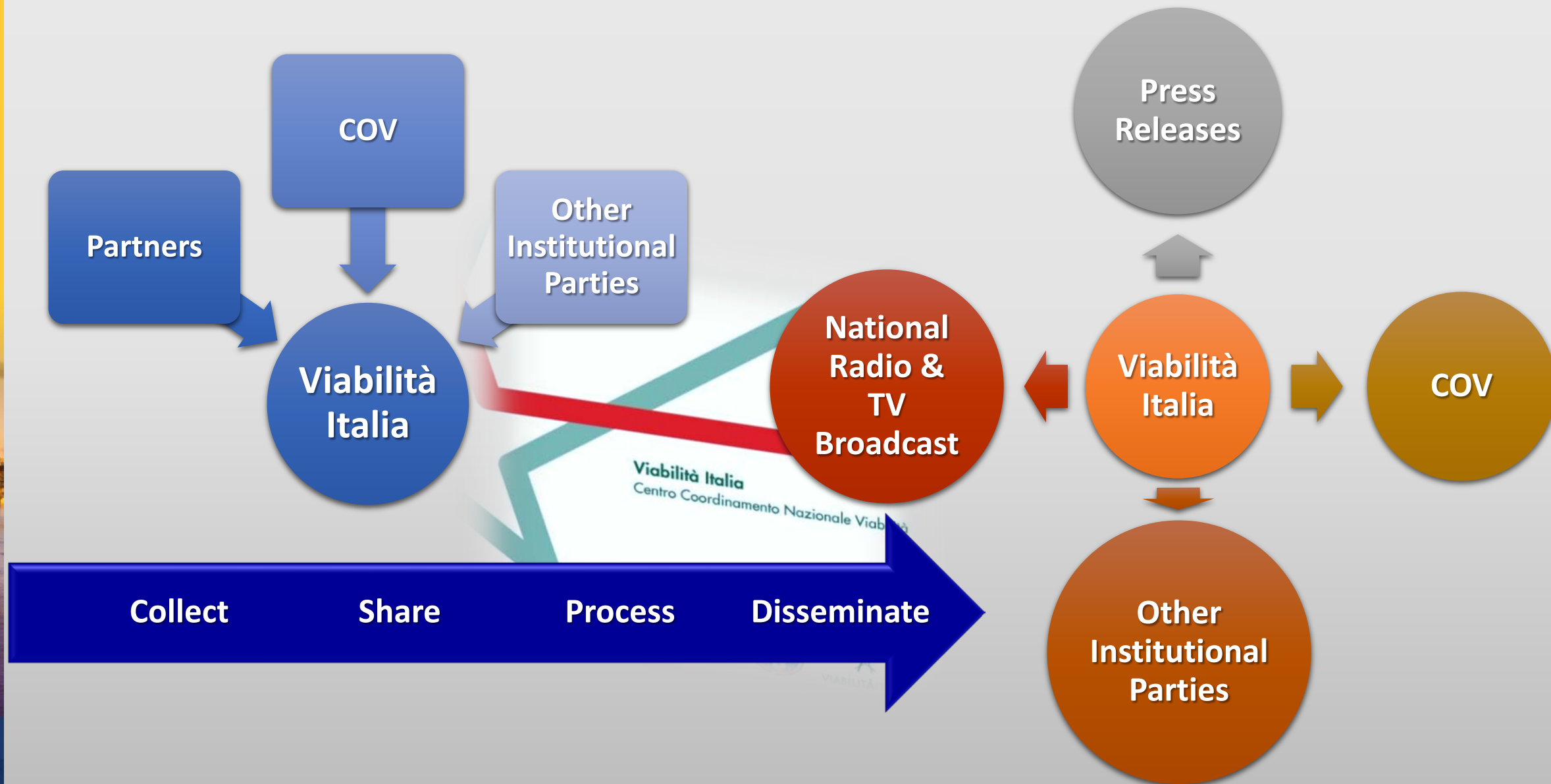
- National Management Plan for mobility emergencies due to mass departures for summer vacation

Specification of

- Contents for specific operating plans
- Classification of the most critical days
- Critical nodes, stretches and areas due to touristic traffic flows
- Alternative Routes in case of emergency
- Critical non-removable work areas
- Activities of all the resources involved in the emergency management (deployment for civil protection and public aid resources, plans for aerial surveillance of Police and Carabinieri)



Information and Communication



The Control Room



To optimize Viabilità Italia's activities, a proper Control Room was set up, strictly connected with the 24/7 National Road Police Service's Control Room

- ✓ handling a higher flow of video images basing on thousands of webcams along the motorways, inside the train stations, on the Road Police patrol cars
- ✓ receiving live images from the Police's helicopters
- ✓ guaranteeing the availability of fast and direct connections with the operational representatives in the area
- ✓ creating a system for videoconference to other external Institutions as well





Thanks for your attention!

Alessandro MUSMECI - *Technical and International Affairs Division*
alessandro.musmeci@aiscat.it