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# National Logistics Platform

## Public IT Services to enhance intermodal transport

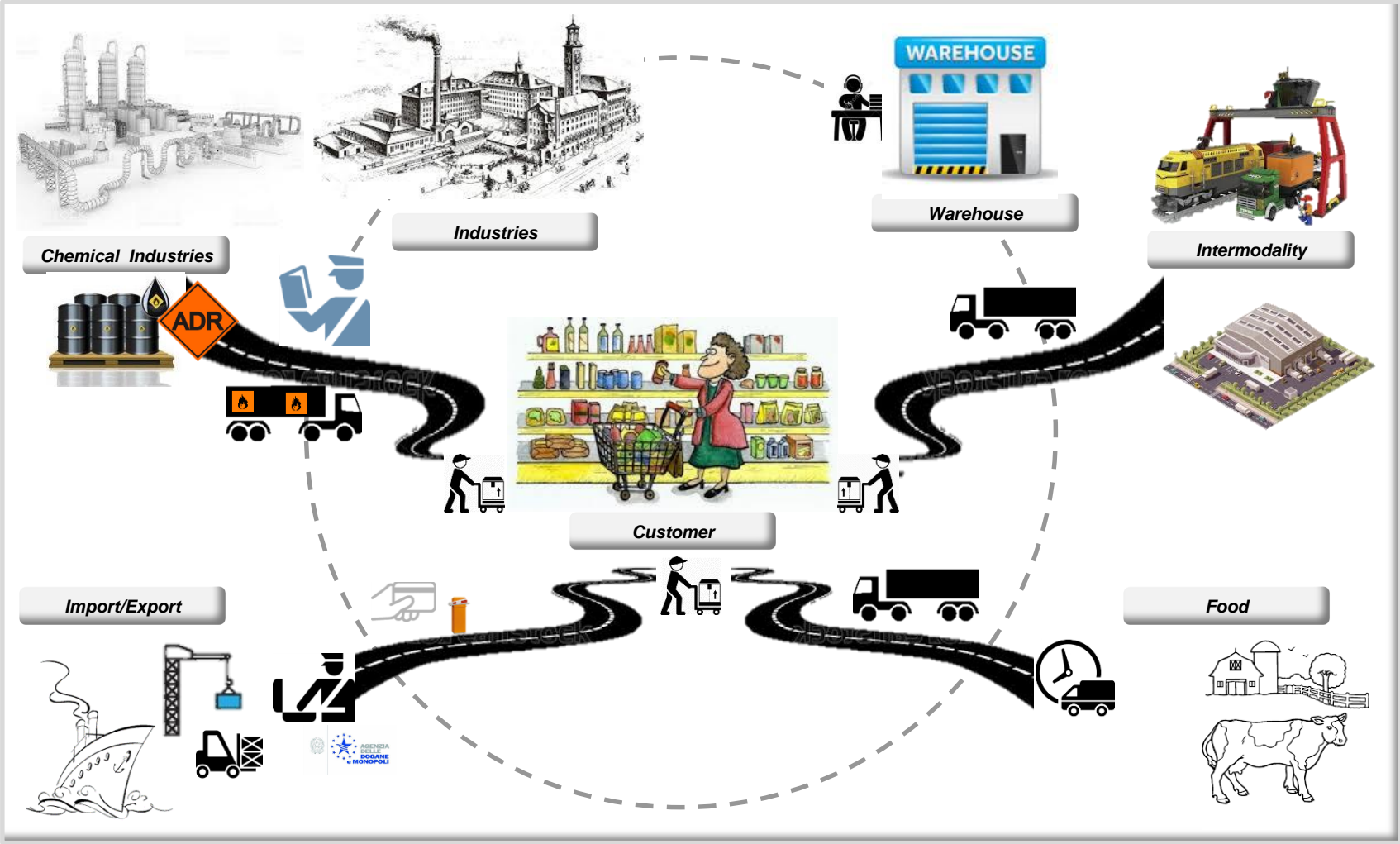
**Massimo Costa**  
**Nicola Bassi**

**Ministero delle Infrastrutture e dei Trasporti (MIT), Italy**  
**UIRNet Spa, Italy**

# Managing complexity

## Context and background of the main idea

WAY of EXAMPLE and NOT LIMITED



# UIRNet spa

## A company to accomplish the mission

- UIRNet, governed by public law, has been established in 2005 as a joint stock company, it is the single implementing body of the **Ministry of Infrastructures and Transports** (MIT) for building and managing the platform for the national logistics network
- UIRNet is a **public interest** company
- **Neutral role** respect all the actors and processes of the **logistics system**
- UIRNet designed and implemented the **Piattaforma Logistica Nazionale** (PLN, from its Italian initials or National Logistics Platform) **to provide IT services to all logistics operators and all logistics nodes**, becoming the interconnection and overseeing platform of data and processes relating thereto



*What's the best way to fill our shelf?*

# Smart Dating in Logistics Nodes

## Matching leaving and arriving goods



- **As an airport knows exactly which planes are coming so nodes can know which trucks are arriving!**
- **To organize manpower and resources**
- **To increase security**



**Solution Core**

*A management system of the digital drivers registry capable of providing real-time information necessary to enable access at facilities equipped with a gate*



**Booking**

*The Module allows booking of a number of services available for NLP users*

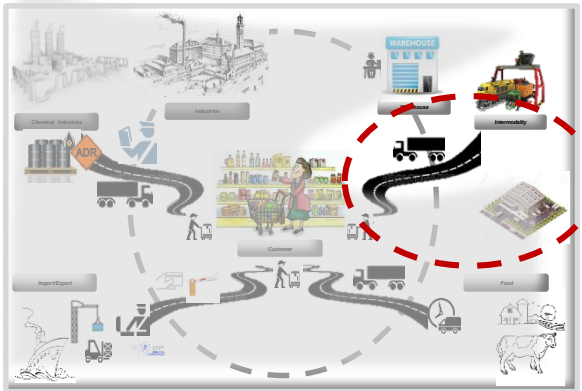


**Control Tower**

*The module allows logistics players, such as nodes, companies, to have accurate info close to real time regarding vehicles on the road which are on the way*

# In behalf of road hauliers

## Easy to use and to access tool for truck companies



- **To enlarge the system to all actors, Small and Medium Enterprises too**
- **To increase the efficiency and productivity of the road transport**
- **To increase the security of drivers and trucks**



**SmarTruck**

*The module allows carriers to easily schedule travel and to monitor the operational situation*



**Infologicistic**

*Real-time information about the situation on the main national roads, with evidence of possible crossing times in the critical areas*



**Parking & Buffering**

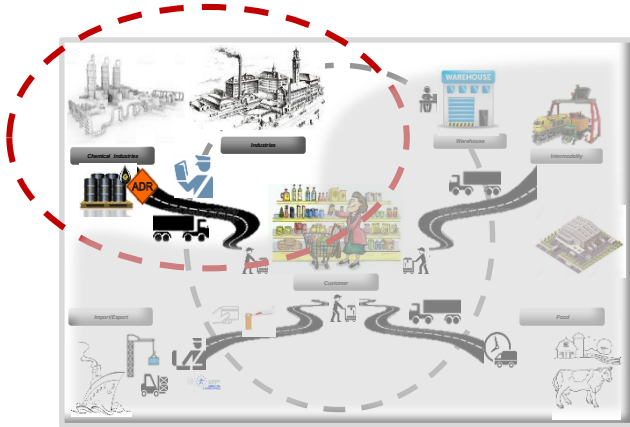
*Parking areas management services, able to allow the planning of ordinary parking/stops as well as the management of buffering areas in case of negative events that may preclude the operation of the node*





# DG Base Module

## Safety & Security in dangerous goods management



- **to evaluate the risk associated** (based on the application of models for calculating risk)
- **to plan road trips** (including calculating safer routes depending on local risk maps)
- **To increase real time control** by means of track & tracing, cameras, on field controls



Dangerous Good  
Transport

*Service concerning the management of the transport of dangerous goods*



Mobile App

*APP to facilitate roadside checks (for specific use by bodies responsible for monitoring)*



Control Room

*Land observation system for detecting the movement of dangerous goods and/or vehicles.*

# Knowledge is never enough...

## Business intelligence on wide scale



- *To make available and usable logistics data collected from various information sources*



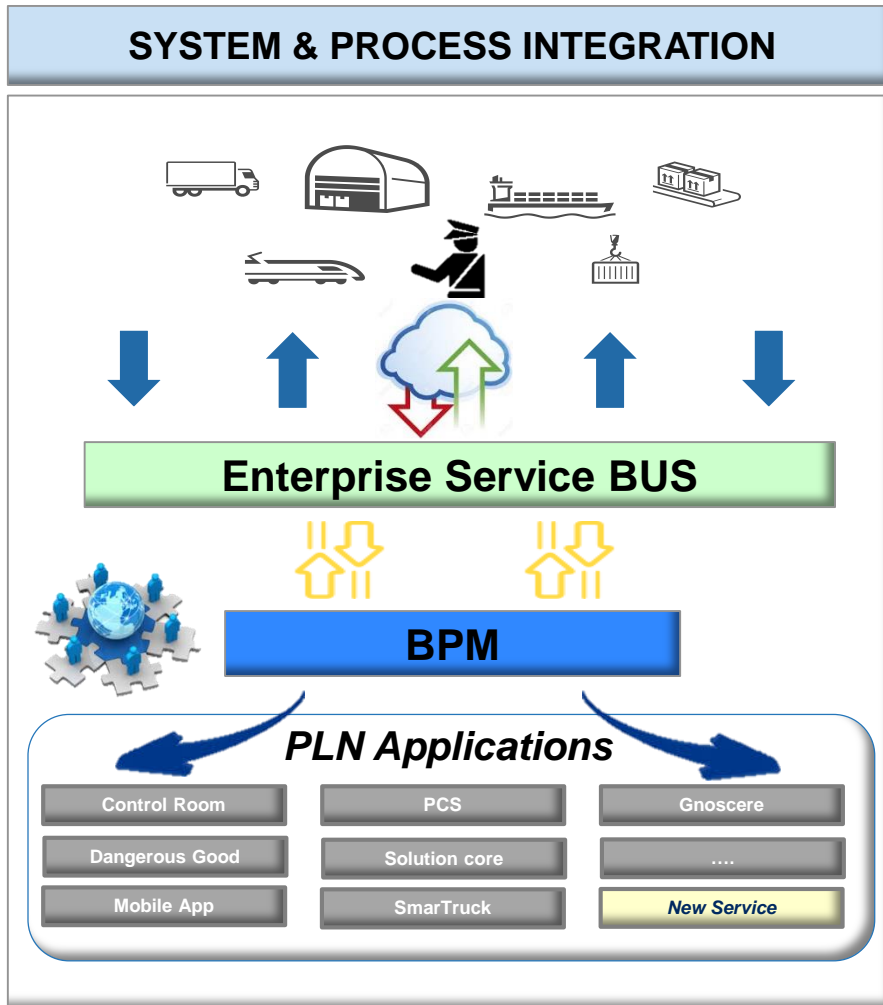
Gnoscere

*Business intelligence service which aims to examine logistics dynamics in order to assist in drawing up territorial development plans, identify behaviours, check situations, investigate abuses and evasions to the rules*



# More services? New needs?

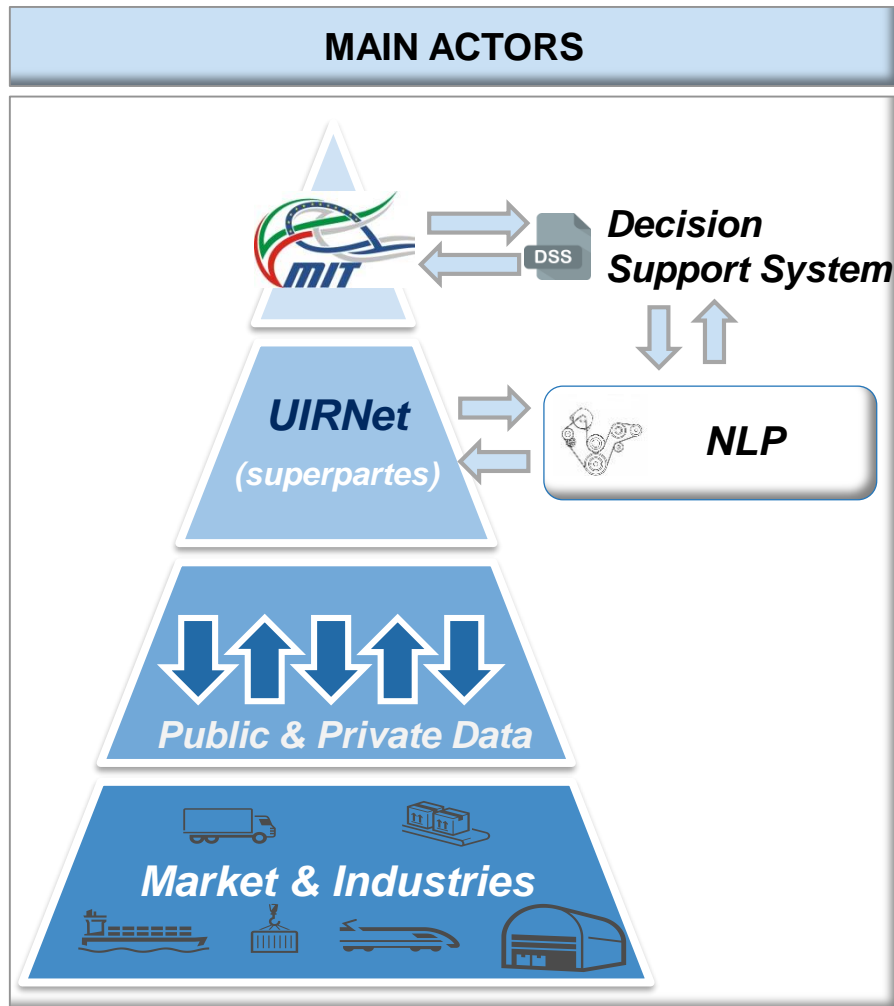
## System and process integration



- The **integration layer** is the **key elements of a service oriented architecture** acting as a mediator between the supplier and the customer for a service through Business Process Manager (BPM)
- Among the functions, we highlight the processing and transformation of a message, the routing and conversion of protocols, the Interaction Based on messages, support for heterogeneous environments
- The integration level is an **intermediate level between the customer and the supplier** of the service. In this manner they are decoupled and this decoupling enables the integration of heterogeneous systems for building new solutions

# Drive Belt Initiative

## Putting together data to feed the Decision Support System



The MIT's strategy implementation requires the setting of an information **network between public and private entities**.

This will allow to use data integrating processes and data relating to the management of goods, and providing an application architecture which coordinates administrative and logistics issues.

Big data intelligence will convey critical information to **Decision Support System** in force of MIT.

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**Thank you very much for your attention!**  
**Needs more info?**

**Nicola Bassi**

Head of New Developments Dept.

[bassi@uirnet.it](mailto:bassi@uirnet.it)

UIRNet Spa

Via F. Crispi, 115

00187 – Rome

+39 06 54221337

[info@uirnet.it](mailto:info@uirnet.it)

[www.uirnet.it](http://www.uirnet.it)

And remember... The National Logistic Platform is an open system and it has no borders...

**Foreign users are welcomed!**