



## Technical Session 1:

# Modelling, Control and Technology for Network Optimisation

Facilitators:



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## Objectives of WP1

- Elaborate a common vision
  - State of the art
  - Fields of excellence
- Identify
  - Gaps in knowledge
  - Areas not being researched
- Specify
  - Harmonised research programme
  - Appropriate research activities

## Description of Work

### Tasks and lead partners

1. Traffic modelling for cooperative systems INRETS
2. Optimisation and control TUC
3. Positioning, tracking and communications EPFL
4. Impact assessment of technology,  
development and deployment TUD
5. Evaluation (assessment) of research UCL

## Deliverables

- |     |   |          |
|-----|---|----------|
| D6  | Review of the state of knowledge<br>and capabilities of partners  | Month 15 |
| D14 | Specification of harmonised research<br>and development programme | Month 42 |
| D18 | Evaluation and assessment of<br>likely benefits of research       | Month 48 |

## Plan of work for each Task T1.1 – T1.4 (Technological) To establish and report on:

### 1 Domain definition

What the task is, and what it examines

Methodologies and relevance to NEARTIS objectives

### 2 Typology of approaches

Ways in which the topic is approached by each partner

### 3 Current capability and immediate prospects

What each partner is currently capable of undertaking

Immediate prospects for extension achievable with limited additional work

### 4 Gaps

Identifiable limitations of current capabilities

### 5 Research prospects

Important developments to address NEARCTIS agenda

## **Task 1.5 Assessing performance: Evaluation of research programme on ICT in transport**

### **What we are seeking to achieve**

- **Performance Criteria**  
Outcomes that will be used to assess the benefits of ICT for the affected groups
- **Interested Parties**  
Who will benefit and in what ways
- **Transport System Components**  
The means by which technologies will deliver benefits

## Purpose

**Identify how we can use ICT beneficially in Transport**

### **Moving beyond**

Opportunity driven  
Led by technology

### **Towards**

Requirements orientation  
Led by user needs