Session d'information sur les ITS
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Sujets « ITS » du défi Transport
2015 - Horizon 2020

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Appel 'MOBILITY FOR GROWTH' 2015 – 1 phase

- Budget total de 21,0 M€

- Échéance 23 avril 2015

- MG.1.8-2014-2015 RIA. International cooperation in aeronautics with Japan

- MG.1.9-2015 RIA. International cooperation in aeronautics with Canada

- MG.1.10-2015 RIA. International cooperation in aeronautics with China
  - 16 M€ pour les trois

- MG.9.1-2015 CSA. Transport societal drivers
  - 3 M€

- MG.9.5-2015 CSA. Fostering transnational cooperation in European transport research and innovation – National Contact Point (NCP) network
  - 2 M€

Appel 'MOBILITY FOR GROWTH' 2015 – 1 phase

- Budget total de 18,5 M€

- Échéance 15 octobre 2015 (seront ouverts en juin)

- MG.3.6-2015 CSA. Safe and connected automation in road transport
  - 1 M€
- MG.5.5 -2015 CSA. Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility
  - 3 M€
- MG.8.3-2015 PPI. Facilitating market take up of innovative transport infrastructure solutions
  - 13 M€
  - NB instrument spécifique : un Public Procurement of Innovative Solutions (PPI) Cofund
- MG.8.4-2015 CSA. Smart governance, network resilience and streamlined delivery of infrastructure innovation
  - 1,5 M€

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Appel 'MOBILITY FOR GROWTH' 2015 – 2 phases

- Budget total de 144,5 M€

- Échéances 23 avril puis 15 octobre 2015

- MG.1.2-2015 RIA. Enhancing resource efficiency of aviation
  - 20 M€
- MG.3.6-2015 RIA. Safe and connected automation in road transport
  - 22 M€
- MG.4.3-2015 RIA. System modelling and life-cycle cost and performance optimisation for waterborne assets
  - 18 M€
- MG.5.4-2015 RIA. Strengthening the knowledge and capacities of local authorities
  - 9 M€

Appel 'MOBILITY FOR GROWTH' 2015 – 2 phases

- Suite :
- Échéances 23 avril puis 15 octobre 2015

- MG.5.5 2015 IA. Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility
  - 54,5 M€

- MG.6.3-2015 RIA. Common communication and navigation platforms for pan- European logistics applications
  - 18 M€

- MG.8.4-2015 IA ou RIA. Smart governance, network resilience and streamlined delivery of infrastructure innovation
  - 3 M€

Appel 'Green vehicles' 2015 – 1 phase

- Budget total de 30.0 M€

- Échéance 15 octobre 2015 (seront ouverts en juin)

- GV.6-2015 IA. Powertrain control for heavy-duty vehicles with optimised emissions
  - 10 M€

- GV.8-2015 RIA. Electric vehicles' enhanced performance and integration into the transport system and the grid
  - 20 M€

MG.3.6-2015. Safe and connected automation in road transport

- **RIA : Two stage, EU subvention: 5 M€ to 10 M€ (*Total = 22 M€*)**
- **CSA : 15 oct. 2015, EU subvention: pas spécifié (*Total = 1 M€*)**
- **Challenge:** Automation in road transport should make best use of the evolution of Cooperative ITS... Connectivity and cooperative mobility will be the key driving force...
- **Scope:**
  - **Research and innovation** activities could address **one or more** of the following:
    - ADAS... better optimised HMI...
    - Novel concepts in real-life situations enabled by automated driving and connectivity... road transport big data... automation specific to the road freight sector... on-board and infrastructure based-systems ... demonstrating freight services/road trains
    - Assessment of the effectiveness of the relevant solutions in real life conditions
    - Multi-stakeholder engagement process... drivers...Ethical and gender issues...
  - **Coordination and Support Actions** could address **one or more** of the following:
    - Dissemination and take-up of results...
    - Liability and standardisation policy and regulatory framework...
- **Expected Impact:**
  - Reduction of the automated driving systems' development costs...
  - Enhanced sensor and data analysis systems and optimised HMI
  - Improved efficiency, safety and traffic flow through better use of the existing infrastructure capacity... reduction of emissions

MG.5.5-2015. Safe and connected automation in road transport

- **IA : Two stage, EU subvention: 12-18 M€ (*Total = 54,5 M€*)**
- **CSA : 15 oct. 2015, EU subvention: pas spécifié (*Total = 3 M€*)**
- **Challenge:** Meet the targets of the Transport White Paper… Information on effectiveness and on successful implementation… vulnerable groups of citizens and gender issues
- **Scope:**
  - **IA :** city-led consortia
    - Each city should follow an integrated, multimodal approach by demonstrating and testing under real life-conditions a set of complementary and reinforcing mobility solutions. The solutions should combine newly-emerging technologies, policy-based, and soft measures with a strong replication potential…
    - Qualitative and quantitative information on the results of the local solutions implemented
    - Effective mechanisms for cross-fertilisation of knowledge
    - Contribution to Sustainable Urban Mobility Plans… China
  - **Coordination and Support Actions** :
    - Facilitate cooperation between stakeholders, and from across CIVITAS 2020.
    - Further elaborate the common 'CIVITAS Process and Impact Evaluation Framework'
- **Expected Impact:**
  - IA : development of European knowledge base on innovative mobility solutions Clear commitments and contribution from participants are expected.
  - CSA : dissemination, training and exchange activities

MG.6.3-2015. Common communication and navigation platforms for pan- European logistics applications

- **RIA : Two stage, EU subvention: 16-18M€ (*Total = 18 M€*)**

- **Challenge: …** develop architectures and open systems for information sharing and valorisation… enabling exploitation on the basis of trusted business agreements and with the relevant authorities… These architectures and systems need to accommodate feedback loops that allow for deviation management and corrective and preventive action (CAPA)

- **Scope:** … inside and cross-companies… ship-to-shore and ship-to-ship communication… open system and architecture… horizontal shipper collaborations established within the horizon of the project and have a high expectation of continuance after the project ends.
    - Proposals should cover… **several or all** of the following issues:
        - Secured… role of the driver and the vehicle
        - … communications and information storage and processing… future customs
        - … European GNSS applications, RFID and 3G/4G…
        - Web-based open platforms to enable information… without costly interfaces
        - … guidelines for data and information system governance… business models…
        - Deployment roadmaps… legal and business aspects… how to split the costs…
        - Operational and business… SMEs… sharing of data… collaborative business services.

- **Expected Impact:**
    - Reduction of the automated driving systems' development costs, as well as raising competitiveness of the European industry in developing breakthrough technological solutions…

MG.8.3-2015.Facilitating market take up of innovative transport infrastructure solutions

- **PPI** : 15 oct. 2015, EU subvention: 1-5 M€ (*Total = 13 M€*)

- **Challenge:** … many technological solutions relative to transport infrastructure are already available… the challenge consists in overcoming highly fragmented demand.

- **Scope:**
  - … improvement and capacity building in the field of public purchasing of innovative solutions in transport infrastructure leading to implementation of best available solutions on cross-border TEN-T network…
  - … driven by clearly identified procurement needs of infrastructure owners (the procurers), including life-cycle and cost- benefit assessments and environmental…
  - … revision /development of relevant standards and regulatory framework, and to study strategies oriented to favour the innovation in transport sector… replication…

- **Expected Impact:** The selected actions are expected to:
  - … pilot projects to demonstrate the effectiveness and reliability of advanced (long-life) technological solutions
  - … better coordinated dialogue between procurers and suppliers...
  - … enabling public procurers to improve their knowledge about available innovative solutions… exchanging experience in procurement practice
  - … progressive step changes to regulation, standardisation and public procurement practices fostering innovation and sustainability in transport infrastructure.

MG.8.4-2015. Smart governance, network resilience and streamlined delivery of infrastructure innovation

- **RIA et IA :** Two stage, EU subvention: pas spécifié (*Total = 3 M€*)
- **CSA :** 15 oct. 2015, EU subvention: pas spécifié (*Total = 1,5 M€*)
- **Challenge:** … overcome the lack of a common framework for governance, management and finance of transport infrastructure projects … enable optimisation of investments … etc.
- **Scope:** Proposals should address **one or several of** the following aspects:
  - … whole system planning environments (based e.g. on virtual design concepts such as BIM - Building Information Modelling) … the rail sector deserves particular attention.
  - Innovative, harmonised and lean procurement processes…
  - … advanced infrastructure capacity planning and modelling for all transport modes
  - … network resilience, mapping of climate risk hot-spots, reducing environmental impacts… with adaptation measures and cross-modal implementation strategies
  - Solutions for advanced asset management
  - SME active participation is strongly encouraged.
  - RIA = further advancements in knowledge, IA = implementing innovative technologies in real life conditions via large scale demonstration actions, CSA = strengthening the network between infrastructure owners and operators
- **Expected Impact:**
  - Accelerated delivery of transport infrastructure... including determination of the optimal balance between long- term renewal and short-term maintenance.
  - Improved assessment of risks related to impacts of climate change and evaluation of possible measures of adaption

APPELS de la CEDR
Conférence Européenne des Directeurs des Routes

- Appels publiés le 17 décembre 2014

- Date butoir de soumission : 18 mars 2015

- https://www.ffg.at/cedr2014

- Deux programmes différents : asset management ; mobility and ITS

- **Mobility and ITS :**

- Budget : ~1,6 M€

    – A) Mobility as a Service (MaaS)

    – B) The journey to High and Full automation

    – C) The business case for connected and co-operative vehicles

APPELS de la CEDR
Conférence Européenne des Directeurs des Routes

- **Durée du programme : décembre 2014 à novembre 2017**
- **Durée des projets : 24 mois durant la période ci-dessus**
- **Critère essentiel d'éligibilité**
    - Au moins 2 entités indépendantes de 2 pays européens différents
- **Coûts éligibles :**
    - Personnel, amortissements, sous-traitance, frais de voyage, réunions etc.
    - Financement à 100%
- **Évaluation par des représentants des pays bailleurs de fonds**
    - Autriche, Belgique (Flandres), Finlande, Allemagne, Irelande, Pays-Bas, Norvège, Suède et RU
    - NB Pas la France mais partenaires français éligibles
- **Critères d'évaluation**
    - Réponse aux besoins de recherche décrits dans le DoRN (30%)
    - Qualité technique des propositions (20%)
    - Composition et compérences du consortium (20%)
    - Management du projet (15%)
    - Rapport qualité/coût (*value for money*) (15%)

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- Soumission électronique
  - https://ecall.ffg.at/Cockpit/Cockpit.aspx?target=113860&

- Attention aux spécificités administratives
  - Cet appel CEDR 2014 est géré par FFG Autriche – différent des précédents

- Documents de référence :
  - Guide for applicants
  - Description of research needs (DoRN)
  - Submission forms
  - R&D service contract

- Inclure un projet de Consortium Agreement entre les partenaires dès la soumission
- Penser aux actions de promotion et de dissémination, et même de mise en œuvre
- IMPORTANT : Client des projets = les administrations routières européennes