OSMOSE

A new mobility concept

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Physical Map of the World, April 2006
CANADA
BRAZIL
AUSTRALIA
Antarctica

Saint Brieuc
Océan Arctique
ISLANDE
Rekjavik
Trondheim
NORVÈGE
SUÈDE
FINLANDE
Kotka
Helsinki
Saint Pertersbourg
Rybinsk
Lillehammer
Oslo
Uppsala
Tallinn
ESTONIE
Stockholm
Kristiansand
Îles Shetland
Océan Atlantique du Nord
Mer du Nord
Écosse
Irelande du Nord
Edinbourg
Glasgow
ROYAUME-UNI
Belfast
IRELANDE
Dublin
Cork
Irish Sea
Manchester
Angleterre
Norwich
Pays de Galles
Cardiff
Birmingham
Londres
Plymouth
Portsmouth
La Manche
Îles Anglo-Normandies
Brest
Caen
Nantes
Angers
Orléans
Pans
Johomaps 2006
FRANCE
La Rochelle
Limoges
Bordeaux
Lyon
La Corogne
Bilbao
Toulouse
Montpellier
Marseille
Porto
PORTUGAL
Salamanca
ANDORRE
Madrid
Lisbonne
ESPAGNE
Barcelone
Toledo
Valence
Faro
Séville
Cordoue
Alicante
Malaga
Menorca
Mallorca
Îles Baléares
Mer Méditerranée
Algiers
MAROC
ALGÉRIE
Tunis
TUNISIE
Mer du Nord
DANEMARK
Esbjerg
Gothenberg
Helsingborg
Malmo
Copenhague
Gotland
Mer Baltique
Kaliningrad
Russie
Gdansk
Rostock
Szczecin
Hamburg
Bremen
PAYS-BAS
Amsterdam
La Haye
Rotterdam
Dortmund
Anvers
Bruxelles
BELGIQUE
Dusseldorf
Cologne
ALLEMAGNE
Berlin
Leipzig
Dresden
Wroclaw
POLOGNE
Varsovie
Prague
REP. TCHÈQUE
Brno
Cracovie
SLOVAQUIE
Luxembourg
LUX
Francfort sur Main
Strasbourg
Stuttgart
Munich
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Zurich
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LIET
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AUTRICHE
Vienne
Brastilava
Budapest
HONGRIE
Szeged
Ljubljana
SLOVÉNIE
Zagreb
CROATIE
Milan
Venice
Florence
SAINT MARIN
MONACO
Nice
Corse
Ancona
VAT
Rome
Benevento
ITALIE
Naples
Sardaigne
Cagliari
Palermo
Sicilie
Mer Adriatique
Mer Ionienne
Cantanzaro
MALTE
Novi Sad
BOSNIE & HERZÉGOVINE
Belgrade
SERBIE
Sarajevo
Podgorica
MONTÉNÉGRO
Skopje
MACÉDOINE
Tirana
ALBANIE
Athènes
GRÈCE
Crète
Mer Méditerranée
Chernivtsi
ROUMANIE
Brasov
Bucharest
Galati
MOLDALVIE
Chisinau
Odessa
Kherson
UKRAINE
Dnipropetrovs'k
Rostov-na-Donu
Volgograd
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Chernihiv
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Sea of Marmara
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TURQUIE
Izmir
Antalya
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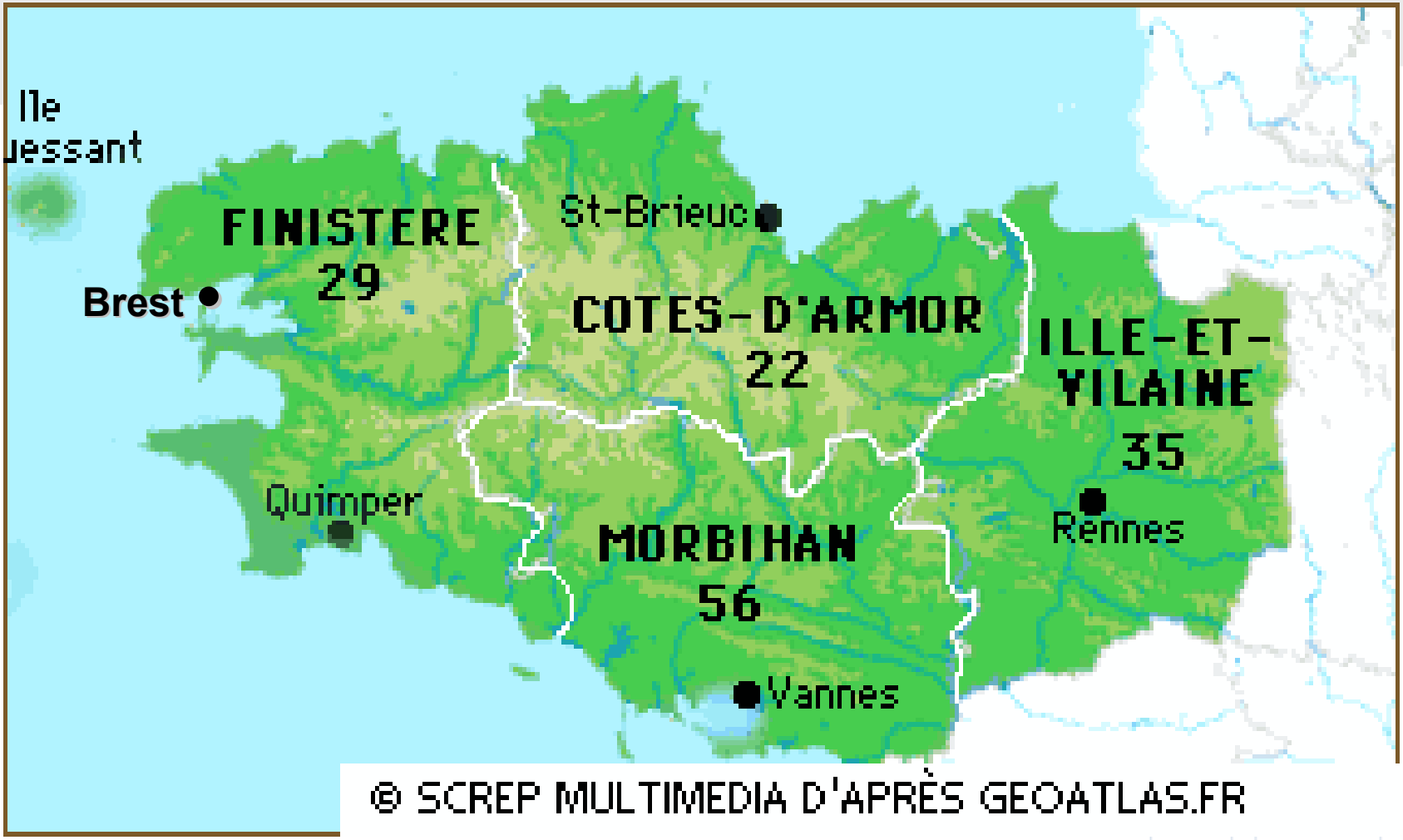
SYRIE
IRAK
LIBAN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Rennes
Quimper
MORBIHAN
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Vannes
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Different target groups

- Citizens of specific categories (elderly, disabled, young people)
- « second car » with car sharing systems
- Urban vehicles and complementary to public transport systems

→ the « car instead of the car, the car after the car », thus integration of ADAS systems for assistance to drivers

Main topic: communication and personnalised vehicle

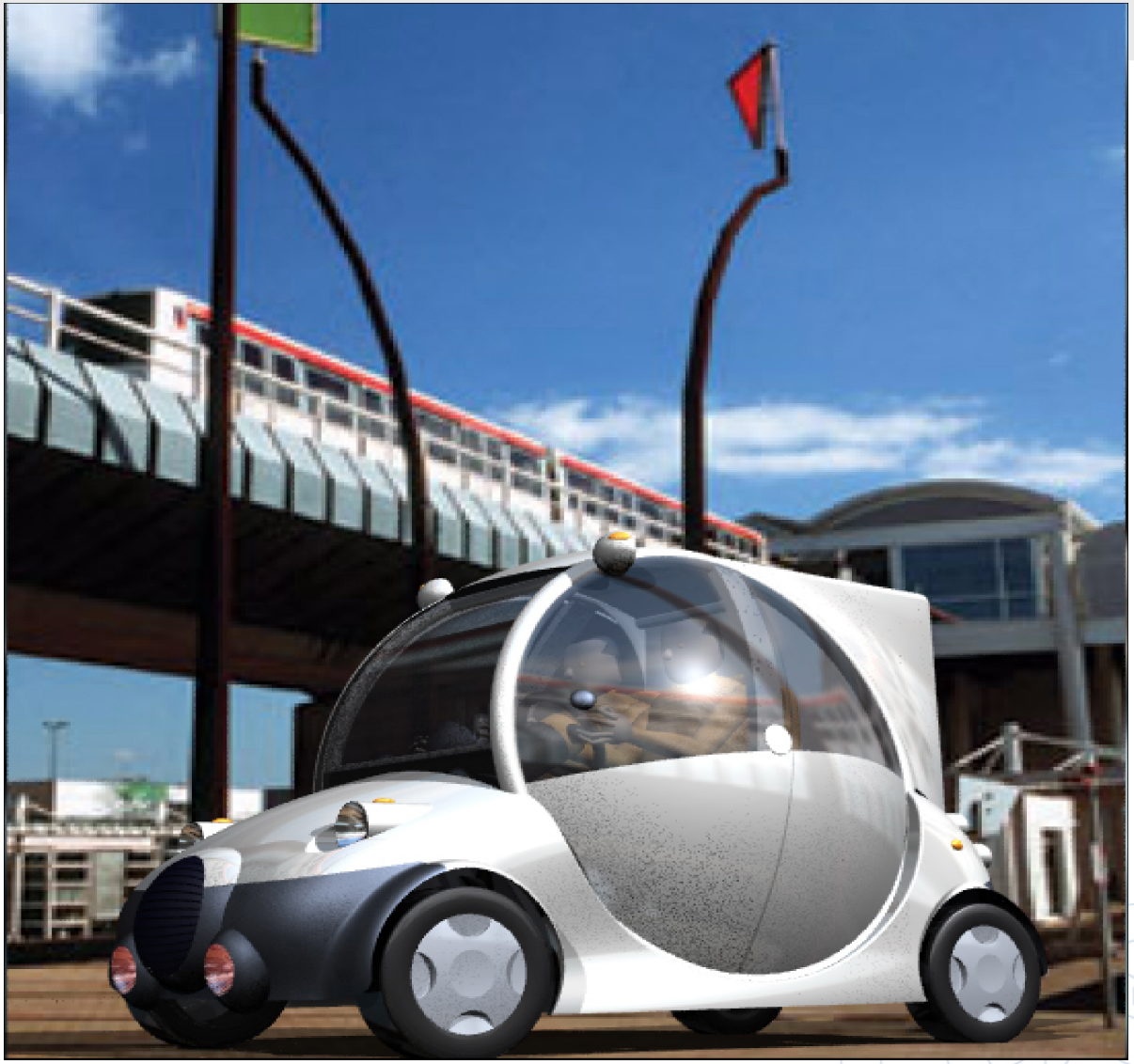
- Keep with you the characteristic of your trips and behavior (telecom device) and use it in a car fleet
- Have access to all communications in the vehicle (uploading and downloading capacities), phone, internet, wifi
- Vehicle as « information fuelling station » for drivers on driving conditions
- Vehicle as prolongation of a mobile device/navigation system and personal assistance system

Challenges for small cities

- Need for innovative mobility systems integrating characteristic of private and public vehicles!
- Short distances
- Scarce public space in city centres and on streets
- However congestion and environmental issues to deal with…
- Innovation for completing public transport services
- Integrate the fast increasing “dependence” on TIC

Some requirements for the vehicle = Space and energy efficient vehicle

Project with Telecom operator (mobile) for integration of mobile technologies in the vehicles (guidance…)



Connection with other modes

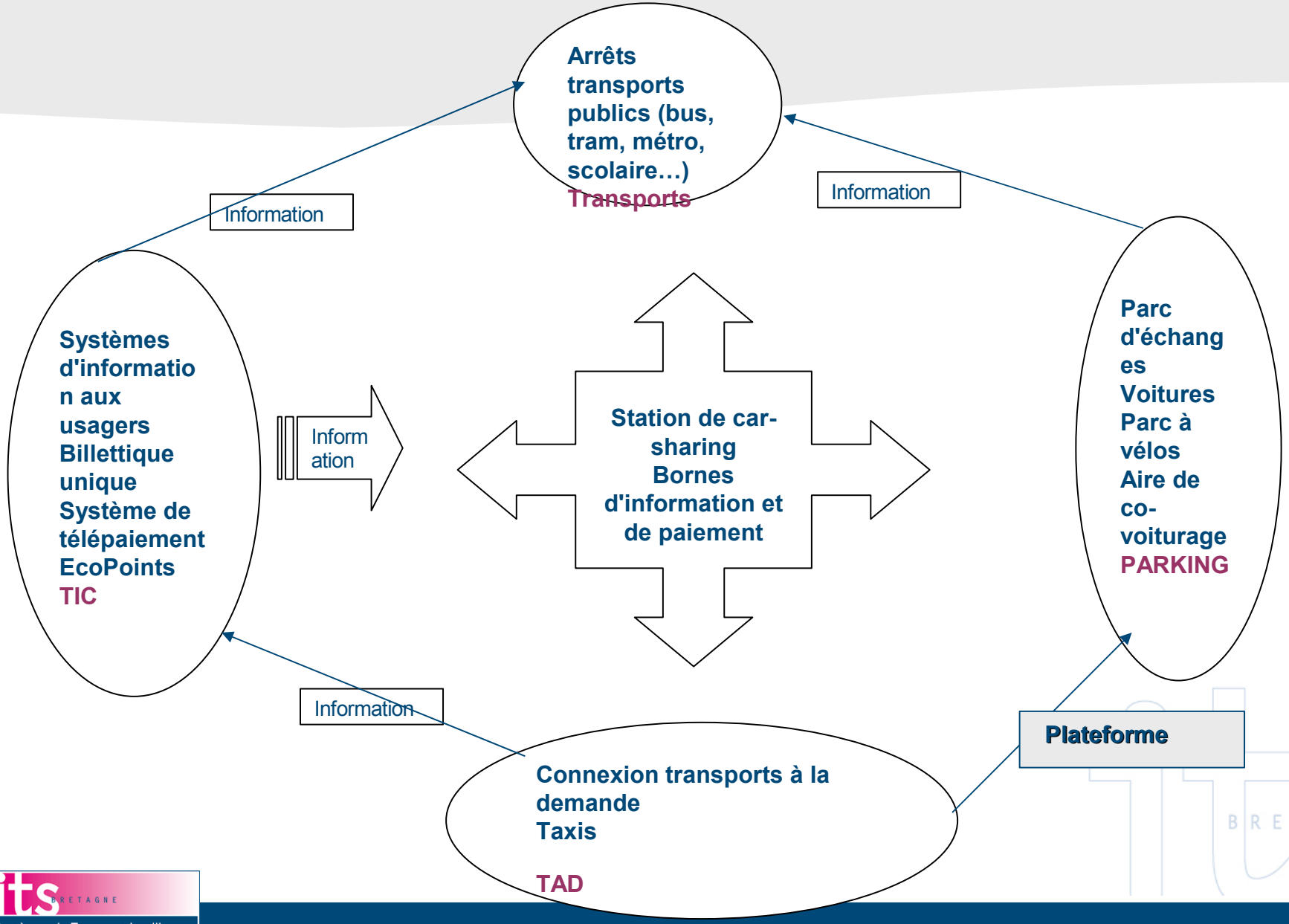
Conception of innovative car parks, intermodal platforms, contribution to the development of innovative urban mobility.

Platform for fuelling = both energy and information fuelling station

Awareness raising for citizens: demonstration platform for learning how to use the system safely and efficiently

Interest from different partners

- Local government (small and large cities, county councils)
- Industry (telecom, infrastructure, parking…)
- Research laboratories

- Test to be launched in Brittany from 2008 with support from the European Commission

Plateforme multimodale pour le transport de passagers