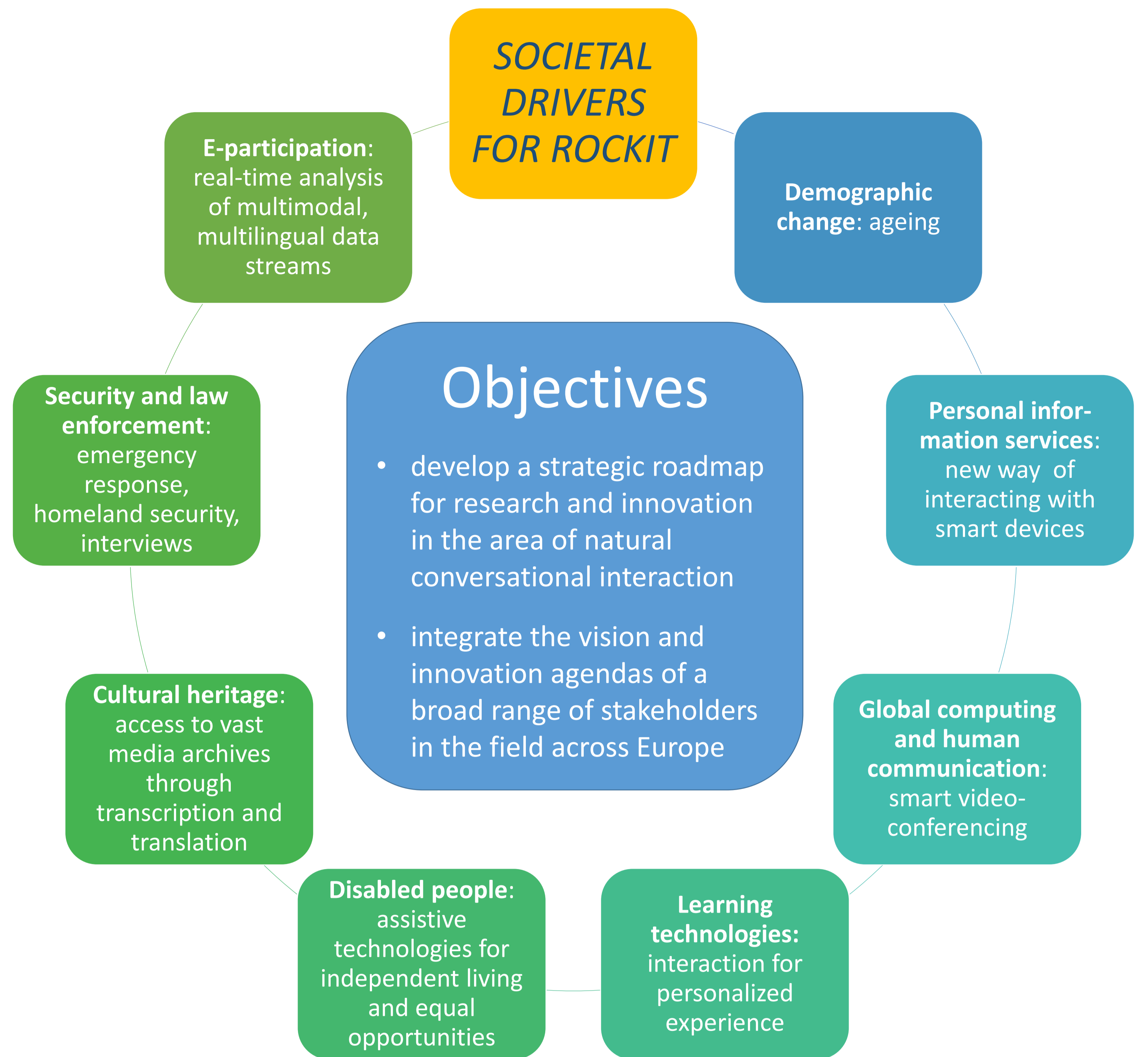




# ROADMAP FOR CONVERSATIONAL INTERACTION TECHNOLOGIES

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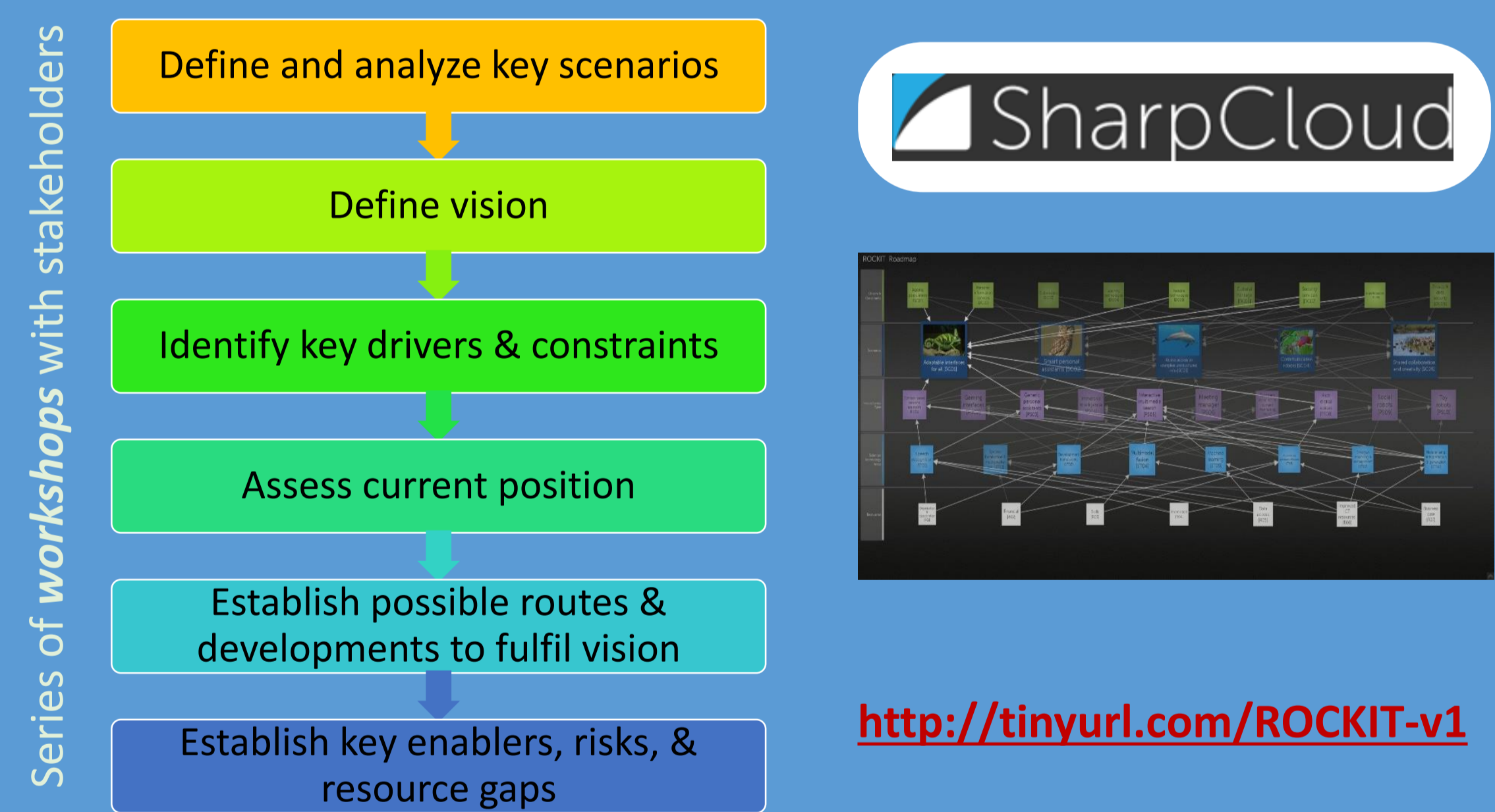


## CONVERSATIONAL INTERACTION TECHNOLOGY INNOVATION ALLIANCE

- Wide community around the ROCKIT roadmap → ensure sustainability
- Roadmap conference: Feb. 24-25, 2015 → share the vision and collect feedback

@ info@citia.eu  
 http://www.citia.eu  
 http://www.twitter.com/ltinnovate #CITIA  
 http://ltinnovate.blogspot.com  
 LinkedIn Group

## Roadmapping method and platform



### 1. Adaptable interfaces for all

- *Interfaces that recognize who you are, where you are, and what you want*
- **USE CASES:** health/assistive technologies, smart environments, intelligent business processes
- **NEXT DECADE:** everything becomes an interface



### 2. Smart personal assistants

- *Deep natural language understanding and multimodal interaction, context-aware*
- **USE CASES:** general-purpose and domain-specific personal agents, access to corporate knowledge
- **NEXT DECADE:** Jeeves-type butlers, virtual doubles



### 3. Active information access

- *Complex unstructured information, huge dynamic heterogeneous data streams*
- **USE CASES:** crisis management, travel aids, science visualization, safety/security, enterprise knowledge
- **NEXT DECADE:** fully conversational pro-active search



### 4. Communicative robots

- *Human-like multimodal communication and learning, within social environments*
- **USE CASES:** domestic, medical, educational, industrial
- **NEXT DECADE:** multilingual voice-enabled social robots



### 5. Collaboration and creativity

- *Systems helping people and teams be more creative more of the time*
- **USE CASES:** social platforms for collaborative creation, enhanced meeting, (serious) games, the arts
- **NEXT DECADE:** immersive gaming + meetings + creation



## ROCKIT Scenarios for Research and Innovation: a 10-year-vision Roadmap