

A-STAR Activity Report

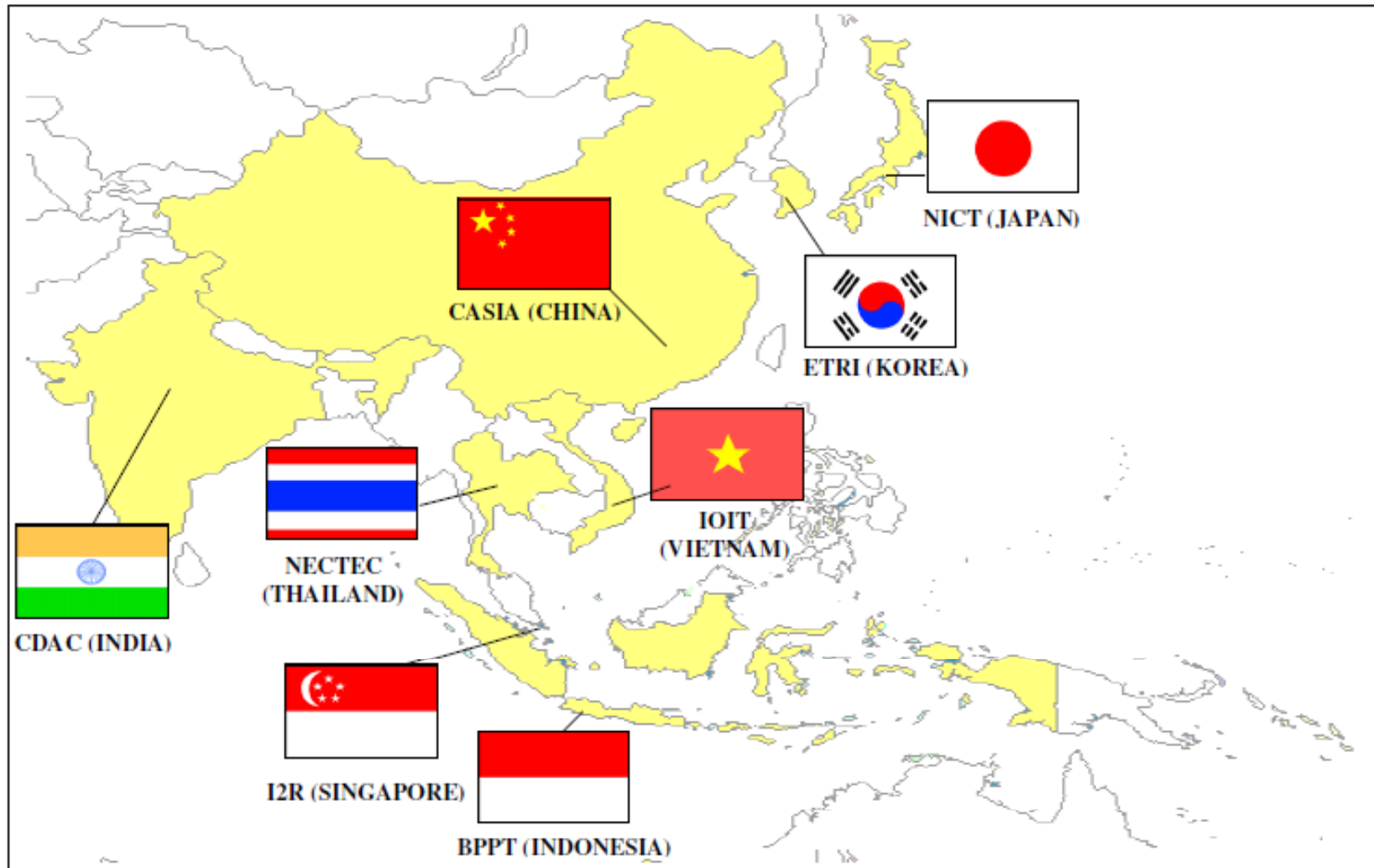
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Nov. 24-25, 2010
O-COCOSDA 2010

A-STAR (2006-)

Asian Speech Translation Advanced Research (A-STAR) Consortium



A-STAR Members

Established in June, 2006.

IOIT and I²R joined in 2008.



Member	Name	Role
Japan	National Institute of Information and Communications Technology (NICT) (Coordinator)	Coordination, Standardization, Parallel Corpora Design and Collection Multilingual ASR, TTS, MT modules
China	Chinese Academy of Sciences Institute of Automation (CASIA)	Chinese Parallel Corpora Collection Chinese MT modules
Korea	Electronics and Telecommunications Research Institute (ETRI)	Korean Parallel Corpora Collection Korean ASR, TTS, MT modules
Indonesia	Agency for the Assessment and Application of Technology (BPPT)	Indonesian Parallel Corpora Collection Indonesian MT modules
Thailand	National Electronics and Computer Technology Center (NECTEC)	Thai Parallel Corpora Collection Thai ASR, TTS, MT modules
India	Centre for Development of Advance Computing (C-DAC)	Hindi Parallel Corpora Collection Hindi TTS, MT modules
Vietnam	Vietnamese Academy of Sciences, Institute Of Information Technology (IOIT)	Vietnamese Parallel Corpora Collection Vietnamese ASR, TTS, MT modules
Singapore	Institute for Infocomm Research (I²R)	Malay Parallel Corpora Collection Malay MT modules

A-STAR Activities

- A-STAR Speech-to-speech Translation Demo in Eight Countries (July 2009)



- APT ASTAP Meeting (August 2009)



ASTAP 16 Plenary Session
 Discussion to develop the standardization activity more internationally, not limited to the Asian-Pacific region.
 -> Approved to raise the standardization draft from APT to ITU-T



- U-STAR MOU (July 2010)

- ITU-T Standardization

From Asia to the World



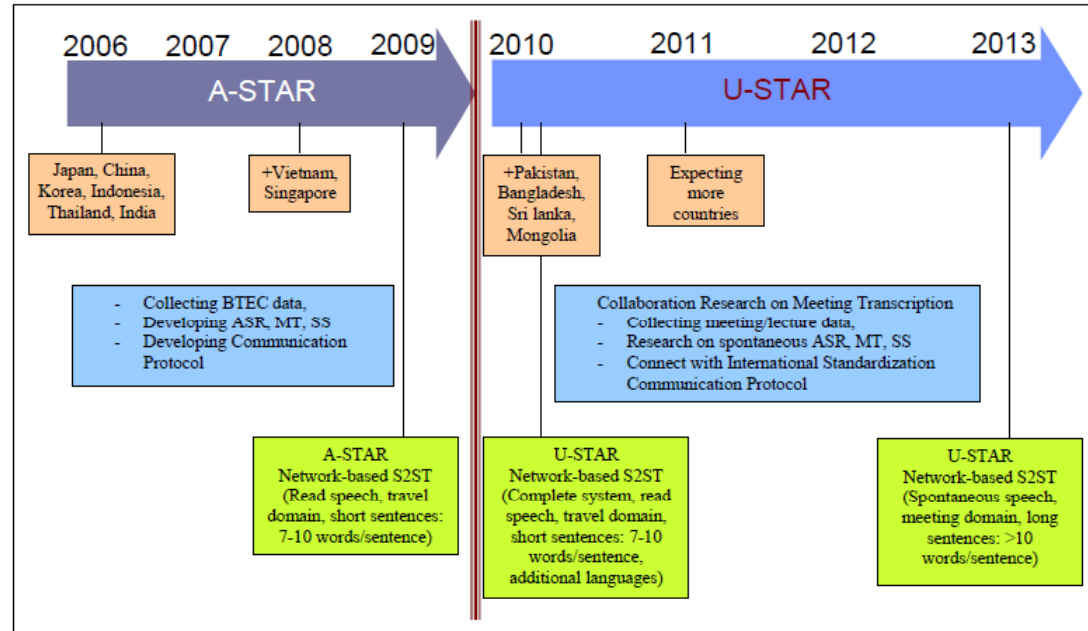
- Functional Requirements for Network-based S2ST
- Architectural Requirements for Network-based S2ST

U-STAR

Current Members:



Roadmap of Universal Speech Translation Advanced Research (U-STAR) Consortium

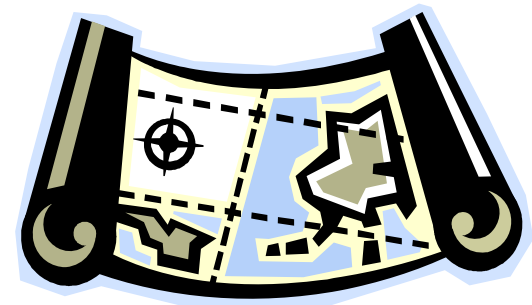


Covered Languages:

Japanese, Korean, Thai, Indonesian, Chinese, Hindi, Vietnamese, Malay

New Members (expected):

- Pakistan (Urdu)
- Bangladesh (Bangla)
- Sri Lanka (Sinla)
- Mongol (Mongolia)
- And more from the US and Europe



ITU-T Standardization

- ◆ Network-based Speech-to-Speech Translation (S2ST)
 - Standardization activity at SG16 of ITU-T since Oct. 2009
 - The ITU-T WP2/16 Rapporteur's Meeting in Shanghai (Mach 8-12, 2010).
 - Recommendations for Network-based S2ST:

Name	Title	Scope
F.S2STreqss	Functional Requirements for Network-based S2ST	<ul style="list-style-type: none"> – Definition of network-based S2ST – Functions and service requirements of network-based S2ST
H.S2STarch	Architectural Requirements for Network-based S2ST	<ul style="list-style-type: none"> – Functional architectures, mechanisms and interface of network-based S2ST

- Contributions by NICT:
 - Editor: Proposal of skeleton of recommendations
 - Sector member: Proposal of high-level and logical architectures