



COST

The European Network on Integrating Vision and Language

IC1307

Start date: 26/03/2014

End date: 25/03/2018

Year: 1

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Scientific context and objectives (1/2)

- **Background / Motivation:**
 - Explosive growth of textual and visual data → urgent needs relating to data management, accessibility, processing and search.
 - Technological advances, e.g. robot interaction with world and users.
 - Accessibility issues: people with disabilities excluded from the digital revolution.

BBC Nature



These millions of dolphins can swim in the ocean for hours on end. They can swim in the ocean for hours on end. They can swim in the ocean for hours on end.

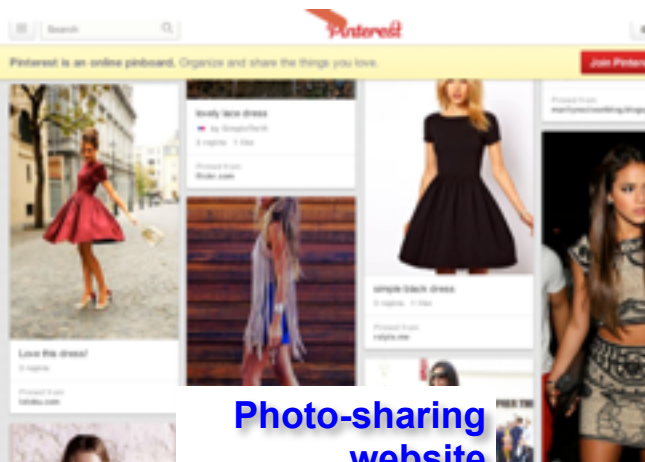


Photo-sharing website



iCub Robot



Scientific context and objectives (2/2)

- **Action's main objective:**
 - To create an interdisciplinary European vision-language research network targeting scientific advances and societal benefits in four focus themes.
- **Plans and research directions:**
 - Advancing theory, methodology and real-world technology across the language-vision spectrum, but particularly in the iV&L Net focus research themes.
 - Facilitating collaboration, networking and interdisciplinary community building.
 - Liaising extensively with industry and end-users.
 - Coordinating the development of benchmark data resources for tasks relating to the focus themes.
 - Specifying grand challenges and organising corresponding shared-task competitions relating to the focus themes.



Working groups

1. **WG1 Integrated Modeling of Vision and Language for CV and NLP Tasks**
2. **WG2 Applications of Integrated Models**
3. **WG3 Automatic Generation of Image and Video Descriptions**
4. **WG4 Semantic Image and Video Search**
5. **WG5 Industry and End-User Liaison**



Year 1 Objectives/Challenges (1/2)

- To get the Action up and running by end of Month 3:
 - to create an Action website;
 - to complete the initial WG recruitment drive;
 - to produce all Planning Documents, including:
 - Dissemination Plan;
 - WG Work Plans;
 - Equalities Action Plan.
- To create critical mass for the IC1307 Action by recruiting a substantial number of researchers to the Action.



Year 1 Objectives/Challenges (2/2)

- To achieve high visibility and recognition for the IC1307 Action.
- To initiate involvement of industrial advisors and partners.
- To initiate involvement of end-users.
- To begin to produce tangible scientific results.
- Publish reports, proceedings and training materials from workshop and summer school held.
- Establish methodologies for jointly processing vision and text, reflected in reports and training courseware.
- Create benchmarking data collection, shared-task definition and required annotations for one selected application.