Answering Questions using Web Data

Smart infrastructures and citizens’ participation in the digital society are increasingly data-driven. Sharing, connecting, managing, analysing and understanding data on the web will enable better services for citizens, communities and industry. However, turning web data into successful services for the public and private sector requires skilled web and data scientists as well as further research in the field.

WDAqua aims to advance the field of data-driven question answering through a combination of training, research and innovation. Question answering is relevant to a diverse range of end users, and we will demonstrate this in settings including e-commerce, public sector information, publishing and smart cities.

Sharing, connecting, analysing, and understanding data on the Web can provide better services to citizens, communities, and the industry. One way to achieve this is through data-driven question answering, by delivering precise and comprehensive answers to natural language questions, primarily by making better use of the knowledge encoded in the Web of Data. The aim of the WDAqua project is to advance the state of the art in this field by interleaving training, research, and innovation.

In this context, WDAqua provides a training programme for young data scientists. The WDAqua young scientists are working on challenges related to the whole question answering pipeline:

1. Understand a spoken question
2. Analyse question
3. Find data to answer the question
4. Present the answer

Eventually, WDAqua will provide an open source framework and ecosystem for question answering components, accessible for scientists, practitioners, and citizens.

In this regard WDAqua aims to go beyond the state-of-the-art in the field of question answering using the Web of Data. WDAqua, through its training, research, and innovation activities, is gaining impact with respect to the following points:

- Training and capacity building in order to enhance the skills and potential of individuals and to provide new career perspectives
- Contribution to structuring doctoral/early-stage research training at the European level and to strengthening European innovation capacity
- Development of cutting-edge technology on QA over the Web of Data, making therefore data available to scientists and European citizens through interlingual text and speech interfaces
- Enabling industrial users to build on the research results produced by the project.

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**Project duration:**
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**Bibsonomy show project publications:**
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**Bibsonomy use tabs to list publications:**
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**Members:**
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**Project type:**
Horizon 2020

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**Research Area:**
E-Science

**Status of the Project:**