



RADAR – An Open Hub for Geocontents

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RADAR is a social geocontent platform

A geocontent in RADAR consists at least of a geocoordinate and a title, and can be enriched with arbitrary multimedia contents such as text documents, videos, audio files, or even 3D-models.

RADAR is an open infrastructure that allows

- managing, organising, and sharing geocontents
- publishing geocontents to various mobile augmented reality services such as Aloqa, Junaio, Layar, and Wikitude
- accessing and aggregating geocontents from multiple sources like Flickr, Foursquare, Last.fm, LinkedGeoData, Twitter or YouTube
- visualising geocontents

RADAR can be used

- in controlled environments
- in open and collaborative scenarios

Features

- Simple and intuitive geocontent contribution.
- Map search modes with geocontent clustering and support of the W3C geolocation API.
- Interactive timeline visualisation of geocontents.
- Upload, share and organise arbitrary types of multimedia contents.
- "Social Software" functionalities: tag, rate, and comment on contents; social browsing; contact lists; messaging etc.
- Group management for different group types.
- Find contents with different filter criteria (filter by mime type, filter by license, filter by date, ...)
- Pushing services (Atom feeds, email reports) for different aspects like new resources or activities on selected contents.
- Automatic metadata generation based on Aperture.
- Embedded player for various content types (e.g., flash, mp3).
- Thumbnail generation for all common multimedia formats.
- Optional parallel contributions to other platforms (e.g., Delicious, Diigo, Twitter).
- QR code generation for arbitrary contents.
- Full UTF-8 and internationalisation support.
- Easy adaptation of design, menus and texts for new scenarios.

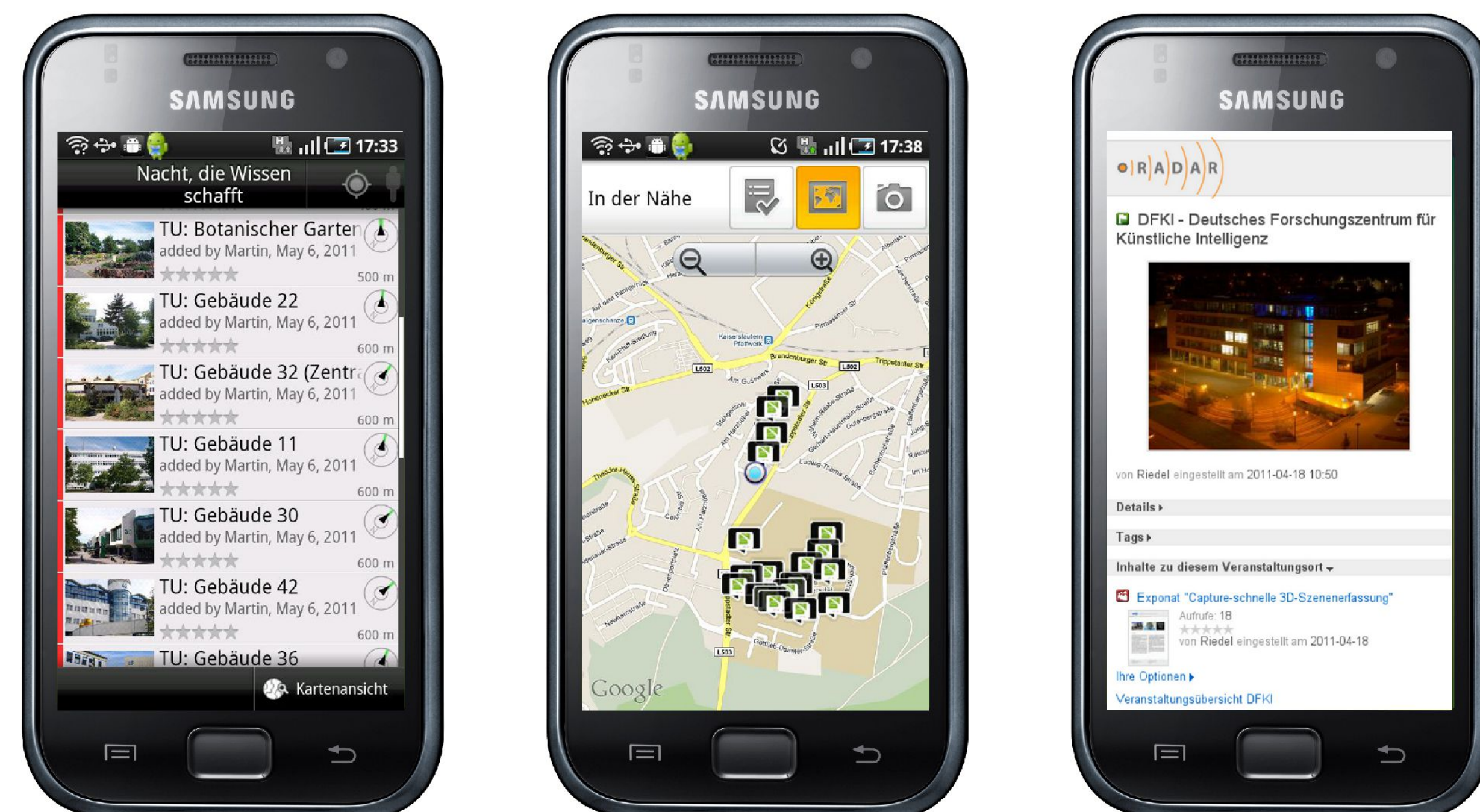
RADAR Components

The **RADAR Web Interface** is an intuitive, web based GUI for comfortable contribution and management of arbitrary geocontents. It is based on DFKI's ALOE infrastructure and offers a plenitude of social media features.

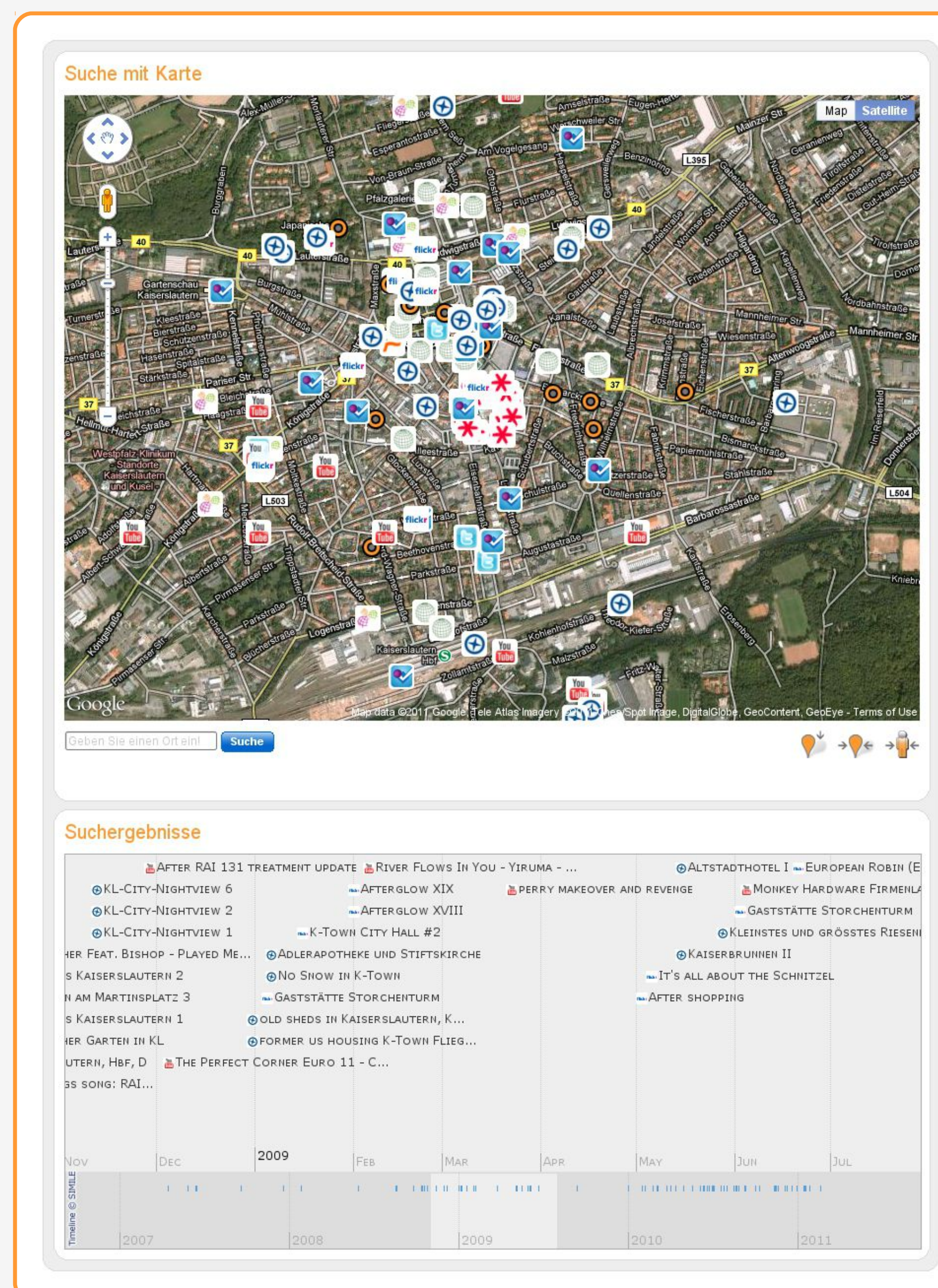
The **RADAR Adapters** allow pushing RADAR geocontents to existing augmented reality browsers such as Layar, Junaio, Wikitude, and Aloqa.

The **RADAR Web Service** realises a rich Web Service API and thus allows integrating RADAR contents and functionalities in different contexts and applications.

The **RADAR Mobile Client** for Android based devices offers access to lots of the RADAR functionalities offered in the RADAR Web Interface.



Example of RADAR contents displayed in different augmented reality browsers



An interactive timeline visualisation with geocontents from RADAR and selected social and semantic web resources.

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For further information

Please contact info@radar-project.de. This poster and more information on this and related projects can be obtained at <http://radar-project.de> and <http://www.dfki.de>.

