



RESEARCH CENTER
Sophia Antipolis - Méditerranée

FIELD

Activity Report 2013

Section Popularization

Edition: 2015-04-10

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AXIS Project-Team (section vide)

GALAAD Project-Team (section vide)

AOSTE Project-Team

9.3. Popularization

We held a thematic Spring School in late April in Shanghai, based on the topics of the DAESD associated-team [8.4.1.1](#) . It was open to students from all over China, and we invited also chinese speakers (but the attendance of around sixty students was mostly from several universities in and around Shanghai).

GEOMETRICA Project-Team

9.3. Popularization

Jean-Daniel Boissonnat, Au delà de la dimension 3, Caféin Inria Sophia Antipolis.

Jean-Daniel Boissonnat, Geometry Understanding in Higher Dimensions. Conference for the students of ENS Lyon (Inria Sophia Antipolis)

Monique Teillaud, “à quoi sert un triangle ?”, 2x2h, Collège Le Prés des Roures, Le Rouret, in the framework of the national Week of Mathematics.

Steve Oudot was coordinator of the *Photomaton 3d* booth at the *Nuit des chercheurs* event at École polytechnique in September 2013. Marc Glisse, Maks Ovsjanikov, Mickaël Buchet, and Thomas Bonis also participated.

INDES Project-Team

8.4. Popularization

The Web is becoming the richest platform on which to create computer applications. Its power comes from three elements: modern Web browsers enable highly sophisticated graphical user interfaces (GUIs) with 3D, multimedia, fancy typesetting, among others; calling existing services through Web APIs makes it possible to develop sophisticated applications from independently available components; and open-data availability allows access to a wide set of information that was unreachable or that simply did not exist before. The combination of these three elements has already given birth to revolutionary applications such as GoogleMaps, radio podcasts, and social networks.

The next step is likely to be incorporating the physical environment into the Web. Recent electronic devices are equipped with various sensors (GPS, cameras, microphones, metal detectors, speech commands, thermometers, motion detection, and so on) and communication means (IP stack, telephony, SMS, Bluetooth), which enable applications to interact with the real world. Web browsers integrate these features one after the other, making the Web runtime environment richer every day. The future is appealing, but one difficulty remains: current programming methods and languages are not ideally suited for implementing rich Web applications. This is not surprising as most have been invented in the 20th century, before the Web became what it is now.

Traditional programming languages have trouble dealing with the asymmetric client-server architecture of Web applications. Ensuring the semantic coherence of distributed client-server execution is challenging, and traditional languages have no transparent support for physical distribution. Thus, programmers need to master a complex gymnastics for handling distributed applications, most often using different languages for clients and servers. JavaScript is the dominant Web language but was conceived as a browser only client language. Servers are usually programmed with quite different languages such as Java, PHP, Ruby, etc. Recent experiments such as Node.js propose using JavaScript on the server, which makes the development more coherent; however, harmonious composition of independent components is still not ensured.

In 2006, three different projects, namely, GWT from Google, Links from the University of Edinburgh, and HOP from Inria (<http://www.inria.fr>) [6], offered alternative methods for programming Web applications. They all proposed that a Web application should be programmed as a single code for the server and client, written in a single unified language. This principle is known as multitier programming.

Links is an experimental languages in which the server holds no state and functions can be symmetrically called from both sides, allowing them to be declared on either the server or the client. These features are definitely interesting for exploring new programming ideas, but they are difficult to implement efficiently, making the platform difficult to use for realistic applications.

GWT is more pragmatic. It maps traditional Java programming into the Web. A GWT program looks like a traditional Java/Swing program compiled to Java bytecode for the server side and to JavaScript for the client side. Java cannot be considered as the unique language of GWT, however. Calling external APIs relies on JavaScript inclusion in Java extensions. GUIs are based on static components declared in external HTML files and on dynamic parts generated by the client-side execution. Thus, at least Java, Javascript, and HTML are directly involved.

The HOP language takes another path relying on a different idea: incorporating all the required Web-related features into a single language with a single homogeneous development and execution platform, thus uniformly covering all the aspects of a Web application: client-side, server-side, communication, and access to third-party resources. HOP embodies and generalizes both HTML and JavaScript functionalities in a Scheme-based platform that also provides the user with a fully general algorithmic language. Web services and APIs can be used as easily as standard library functions, whether on the server side or client side.

In order to popularize HOP, we have written a paper for targeting engineers which presents an overview of the HOP language and its development environment. It has been simultaneously published in ACM Queue and Communications of the ACM [5]. We have also given several demonstrations of the system. In particular,

Cyprien Nicolas has co-developed application software for an educational cable robot (Coprin) presented at the Fête de la Science, in November. The demo consisted in a Cable bot built by a Coprin student and piloted by Hop, the software being written by a Indes student. The demo took place in front of four classes of High School students.

MARELLE Project-Team

8.3. Popularization

Yves Bertot participated to two articles published in popular science magazines (*Science et Vie* and *Science et Avenir*) and Laurence Rideau to one of these articles.

APICS Project-Team

9.3. Popularization

- J. Leblond is a member of the Committee MASTIC. She gave a communication within the “Café-in” of the Research Center (Sept.).
- M. Olivi is co-president with I. Castellani of the Committee MASTIC (Commission d’Animation et de Médiation Scientifique) <https://project.inria.fr/mastic/>. She is responsible for Scientific Mediation. She held a booth at the APMEP conference 2013 in Marseille (France).
- E. Pozzi was a member of the Committee MASTIC.
- S. Chevillard published a popularization blog post on the website “Mathématiques de la planète Terre 2013” (<http://mpt2013.fr/>) about the problem of inverse magnetization of rocks (cf. Section 4.3)

MCTAO Project-Team

9.4. Popularization

Jean-Baptiste Caillau: “Mathematics for planet Earth 2013”: <http://mpt2013.fr/tout-autour-de-la-terre/>, <http://mpt2013.fr/de-la-terre-a-la-lune/>, <http://mpt2013.fr/tout-autour-de-la-terre-2nde-partie/>.

NACHOS Project-Team (section vide)

OPALE Project-Team

9.3. Popularization

Jean-Antoine Désidéri gave the lecture “*Modelling and simulating, when engineering becomes numerical*” to the Valbonne International High School (CIV) on October 11, 2013.

Paola Goatin was interviewed twice :

- TV interview on evening news, France 3 Côte d’Azur, January 30, 2013 <http://www.youtube.com/watch?v=VIW4VgoTjEI&feature=youtu.be>.
- Journal interview : “*Une chercheuse au chevet des embouteillages*”, Nice Matin, January 2013 <http://www-sop.inria.fr/members/Paola.Goatin/NiceMatin.pdf>.

SCIPORT Team

8.3. Popularization

- Laurent Hascoët gave a presentation on adjoint Automatic Differentiation at the AboutFlow meeting in Tinos (Greece), may 27-31.
- Laurent Hascoët made a detailed presentation of Automatic Differentiation at Microsoft Research labs in Cambridge (UK) on december 6th.

TOSCA Project-Team

9.3. Popularization

- M. Bossy contributed as a Guest Blogger on the Mathematics of Planet Earth 2013 web site.
- D. Talay gave lectures to scholars in Nice.

ABS Project-Team (section vide)

ASCLEPIOS Project-Team (section vide)

ATHENA Project-Team (section vide)

BIOCORE Project-Team

CASTOR Team

9.1. Popularization

- With Maria Vittoria Salvetti of the University of Pisa, Hervé Guillard has written a popularization article "Des mathématiciens à la rescousse des lagunes méditerranéennes" [29] for the online journal Accromath.
Accromath is a journal of the "Centre de recherches mathématiques de l'Université de Montréal" whose aim is to popularize Mathematics and their applications for secondary school pupils and their professors.
- Redaction of the short note "Les vagues et les rivages, une question de changement de variables" <http://mpt2013.fr/changement-de-variable-et-comment-les-vagues-montent-a-lassaut-des-rivages/> in the framework of Mathematics of Planet Earth 2013 (MPE2013) published 04/10/2013 (Hervé Guillard).
- Redaction of the short note "Retour vers le futur" <http://mpt2013.fr/retour-vers-le-futur/> in the framework of Mathematics of Planet Earth 2013 (MPE2013) published 16/10/2013 (Jacques Blum & Didier Auroux).

COFFEE Project-Team

8.3. Popularization

- R. Masson: Talk “mathematics in geosciences” for the prize-giving of the Olympiads of Mathematics 2013 at UNS
- R. Masson: Article on the role of mathematics in petroleum engineering, in “L’énergie à découvert”, CNRS Editions, 2013.
- T. Goudon: “Modelling and simulation of spacecraft charging”, European Success Stories in Industrial Mathematics, Springer 2012.
- During the international program “2013, Mathematics of the Planet Earth”, supported by UNESCO, T. Goudon, with M. Andler, L. Bel, S. Benzoni, C. Imbert, A. Rousseau has animated the website mpt2013.fr with a daily short notice describing a mathematical activity in connection to the Planet Earth. This operation will be followed by a book, to be edited in 2014.
- T. Goudon: “Mathématiques de la Planète Terre”, Textes et Documents pour la Classe (TDC), Scérén, CNDP-CRDP, 2013.
- T. Goudon, with C. Calgaro and E. Creusé “Modélisation et simulation des avalanches de neige”, Matapli n. 100, 2013.
- T. Goudon: Working session for teachers on “mathematics of the planet earth”, during the national meeting of the APMEP (national society of teachers in math), with F. Boyer, G. Chapuisat and J. Charrier from Marseille; this will be completed with talks in classes, with S. Krell.

DEMAR Project-Team (section vide)

MODEMIC Project-Team

8.3. Popularization

The team has participated to the writing of a blog [73], [72] for the MPT2013, french edition of Mathematics of the Planet Earth 2013.

The team has participated to the writing of two articles [31], [32] in the TDC magazine dedicated to teachers in secondary classes.

MORPHEME Project-Team

7.3. Popularization

- Xavier Descombes has given a conference in Nice within the program “Science au Lycée”.
- Xavier Descombes has given a seminar in Marseille University in a workshop dedicated to multi-disciplinarity.

NEUROMATHCOMP Project-Team (section vide)

VIRTUAL PLANTS Project-Team

7.3. Popularization

Christophe Godin gave 3 conferences for high-school pupils respectively on plants and fractals and on the Secret Code of Flowers in the context of MathC2+ and fête de la science (6h).

COATI Project-Team

9.4. Popularization

Attractiveness: J-C. Bermond is in charge of the attractiveness of the center Inria Sophia Antipolis Méditerranée. Among other activities he organized The "Mediterranean days" (January 23-25) (25 foreign students invited) and co-organized the valorization afternoon on February 2, 2013 (100 students);

Fête de la Science: F. Giroire presented the stand "Magie et jeux mathématiques" at the Centre International de Valbonne, France (October 8, 2013); F. Moataz assisted the stand "Drone/Unmanned Aerial Vehicle" at Sophia Antipolis, France (October 12-13, 2013);

Formation EDSTIC: J. Araújo has given lectures on Graph Theory and Algorithms to PhD students, 20h;

Mathématiques et Internet: J-C. Bermond gave a vulgarization talk at the Centre Culturel of La Grande Motte, Hérault France (April 16, 2013);

Optimisation dans les réseaux: J-C. Bermond gave 3 talks to investors on the future of optimization in networks, Paris (March 28, 2013);

Science culture au lycée, Inria/PACA: N. Nisse explains graph to a Lycée class at Marseille, France (December 19th, 2013);

DIANA Team

9.3. Popularization

Arnaud Legout made a presentation on “Exploration macroscopique du graphe social de Twitter” to a user group interested in network security called OSSIR. See <http://www.ossir.org/paris/supports/index/2013.shtml>.

FOCUS Project-Team

8.3. Popularization

Simone Martini has carried out extended work of scientific divulgation:

- member of the technical committee of Olimpiadi del Problem Solving (at Italian Ministry of Education), <http://www.olimpiadiproblemsolving.com>;
- the talks “Calcolo e simboli: la scienza digitale. A.M. Turing a cent’anni dalla nascita”, Accademia di Agricoltura Scienze e Lettere di Verona; “Problem solving tra linguaggio e competizione”, Workshop ‘Olimpiadi e Informatica’, Verona, 22 novembre 2013.

In addition, **S. Martini** and **U. Dal Lago** gave a series of lectures (20 hours altogether) to the students of "Collegio Superiore", a college of excellence at the University of Bologna (general students, not limited to Computer Science). The course was about algorithms, computational complexity, and cryptography.

LOGNET Team

9.3. Popularization

The LogNet team has conducted two dozen circa of sessions of popularization of the myMed software (typically an “atelier de formation au réseau social myMed”). Public are typically students, administration people of many town or institutions (CG06, Mairies, Hospital, etc.).

MAESTRO Project-Team

8.3. Popularization

Activities are presented in chronological order:

- The article titled “Internet” (interview of S. Alouf by E. Kuntzelmann, as reported in the 2012 activity report) has appeared in *Savoirs Jeunes* (14 January 2013). It is available here: <http://www.savoirs.essonne.fr/sections/ressources/questions-a/resource/internet/>.
- E. Altman and A. Reiffers participated in a round-table on the network economy in France, organized at the National Assembly in Paris (28 February 2013).
- A short publication [80] by M. Cosnard and E. Altman has appeared in *01Business* on the network neutrality debate in France (11 July 2013). It is intended for a large audience and presents advantages in legislating on this topic.
- E. Altman presented a talk at the 9th Mediterranean rendez-vous entitled: “The new networks - Cradle of globalized culture in the Mediterranean Area” at Marseille, with the participation of leading political and economical figures from Mediterranean and Middle Eastern countries (9 November 2013).
- S. Alouf delivered a conference titled “Internet ou Web ?” at Inria, Sophia Antipolis, for a group of high school students (22 November 2013).

S. Alouf is a member of MASTIC, a commission in charge of popularization and regional and internal scientific animation (since November 2011).

OASIS Project-Team

8.3. Popularization

- Françoise Baude is in charge since September 2011 of the set up and animation of an educational program *Cordées de la Réussite*. She leads as Polytech'Nice Sophia member, and in connection with MASTIC activities at Sophia-Antipolis, two *Cordées pour la Science à Sophia* groups (one with Lycée Vinci Antibes, the other with Lycée Tocqueville Grasse). Since 2013, she is in charge of the AVOSTII-STI2D program implementation for Polytech'Nice Sophia, requiring advertising high-school pupils for engineering studies, in particular in ICT.
- Rencontres Inria Industrie:
The 11th of June 2013, we took advantage of the Inria-Industry national meeting to expose our works on the American basket option pricing. Our strategy relies on a two-level CPU/GPU parallelization of the Picazo algorithm, combining dynamic strategies to fully exploit distributed resources. During the event, we presented the difficulty to price such instruments in reasonable time, and highlight our solution through multiple tests on Grid'5000, of our pricing engine.
A Video is available here: <http://www.inria.fr/centre/saclay/innovation/rii-modelisation-simulation-calcul-intensif/demos/pricing-d-options-sur-panier-de-type-americain-en-utilisant-des-clusters-equipes-de-gpus>
- This year, Fabrice Huet gave a seminar to high school students about the inner working of computers. He also leads the ISN *Informatiques et Sciences du Numérique* courses for the academia of Nice. These courses were given to high school teachers who volunteered to offer a Computer Science option to their students.

AYIN Team

9.3. Popularization

- Paula Craciun and Josiane Zerubia have published an article in ERCIM News'95 [19]. They have also written a blog article for MPT2013 in French [<http://mpt2013.fr/les-ports-vus-du-ciel/>] and MPE2013 in English [<http://mpe2013.org/2013/10/29/boat-extraction-in-harbors-from-high-resolution-satellite-images/>].
- Yuliya Tarabalka gave an interview to the LISA journal in January 2013 [<https://lisa.sophia.inria.fr/yuliya-tarabalka-888.html>]. She participated in the conference of the Young Academy of Science in Ukraine, presenting the Ayin team and her research work to the 12-16 year-old attendees of the Academy.
- Yuliya Tarabalka and Guillaume Charpiat (STARS EPI) published an article in the Earthzine journal “Exploiting Temporal Coherence for Fire Mapping from MODIS Spaceborne Observations” in September 2013 [20].
- Josiane Zerubia took part in a debate on the topic “Les TIC, une révolution pour les femmes?” organized at the SKEMA Business School in Sophia-Antipolis by three associations (Femmes & Sciences, Femmes 3000 and Telecom Valley) on November 26, 2013 (for more detail see <http://www.femmesetsciences.fr/actualites/les-tic-une-revolution-pour-les-femmes-conference-debat-261113-sophia-antipolis/>)

GRAPHIK Project-Team

9.3. Popularization

Patrice Buche was invited to give a talk about Packaging Decision support system involving flexible querying and argumentation at ANR Ribenut final meeting in November, 14 2013 (Avignon)

LAGADIC Project-Team

9.3. Popularization

- Due to the visibility of our experimental platforms, the team is often asked to present its research activities to students, researchers or industry. Our panel of demonstrations allows us to highlight recent results concerning the positioning of an ultrasound probe by visual servoing, the construction of a tower by combining 3D model-based visual tracking and visual servoing techniques to pick up cubes that are assembled, the navigation of a mobile robot in urban environments, vision-based detection and tracking for space navigation in a rendezvous context, the semi-autonomous navigation of a wheelchair, and augmented reality applications.
- Fabien Spindler is a member of the editorial board of “Ouest Inria”, the internal journal at Inria Rennes-Bretagne Atlantique.
- Alexandre Krupa co-authored an article titled “Au coeur des hommes” in the journal DocSciences that is intended for general public. This article is about medical robotics guided from images [27]. An article entitled “L’asservissement visuel au service de la robotique médicale” has also been published in May 2013 in the “Emergences” general-public magazine of Inria Rennes-Bretagne Atlantique <http://emergences.inria.fr/lettres2013/newslettern26/126asservissementvisuel>.
- Paolo Robuffo Giordano participated to the “Café des sciences Drones” at the “Espace des sciences” in Rennes in November 2013 to illustrate his activities on quadrotor UAVs to the general public.
- Marie Babel and François Chaumette participated to the “Science Festival” in October 2013 with a debate after the projection of the film “Vivre avec des robots” in Brécé near Rennes.
- Marie Babel and François Pasteau gave a 1-hour lecture on "Assistance to the mobility: the place of the robotics" on December 13th, during the “Conf”Lunch” monthly seminar organised by Inria in Rennes. Furthermore, two articles related to wheelchair navigation have been published in general-public magazines, namely “Des yeux pour les fauteuils roulants” in “Emergences” in July 2013(http://emergences.inria.fr/lettres2013/newsletter_n27/L27-FAUTEUIL) and “Un fauteuil qui a les yeux en face des roues” in “Sciences Ouest” (the magazine of the “Espace des sciences” in Rennes) in November 2013 (<http://www.espace-sciences.org/sciences-ouest/314/actualite/un-fauteuil-qui-a-les-yeux-en-face-des-roues>).

REVES Project-Team

8.3. Popularization

8.3.1. Popularization, Invited Talks

- Adrien Bousseau presented the work on Coherent Intrinsic Images from Photo Collections (SIGGRAPH Asia 2012) in the Research Session of the FMX conference in Stuttgart.
- Adrien Bousseau presented the work on sketching tools for designers as a “Cafe’In” at the Inria Sophia Antipolis center and as an introduction to research for high school students from Nice (MathC2+) and Grasse. This work also appeared as an article on the Inria Sophia Antipolis website <http://www.inria.fr/centre/sophia/actualites/des-outils-informatiques-pour-les-artistes-et-les-createurs>
- Christian Richardt gave invited talks at UC Berkeley, Stanford, Nvidia Research (Santa Clara, California) and TU Berlin (Germany).

8.3.2. Demos

We gave demos (mainly of the immersive space) to high school students, representatives from the planned Museum of Cosquer in Marseille, Sup’Com Tunis, the companies Thales, Thales AleniaSpace and Optis.

8.3.3. Conferences and Invited Talks

- At SIGGRAPH 2013, Adrien Bousseau presented the work on Gloss Perception in Painterly and Cartoon Rendering [14]. Jorge Lopez Moreno also presented our work at the French chapter of SIGGRAPH in Paris. Our work also appeared on the Inria Sophia Antipolis website (<http://www.inria.fr/centre/sophia/actualites/siggraph-2013-trois-equipes-du-centre-present-leurs-travaux>).
- Adrien Bousseau and Emmanuel Iarussi attended the ACM CHI conference in Paris (May).
- Adrien Bousseau and Emmanuel Iarussi attended the ACM UIST conference in St Andrews (October) where Emmanuel Iarussi presented the paper on assisting drawing from photographs [19].
- Adrien Bousseau gave a talk on drawing tools for depicting stylized materials at the “Groupe de Travail sur le Rendu” in Paris <http://gtrendu.blogspot.fr/>.
- George Drettakis attended Eurographics 2013 in Girona Spain (May) and EGSR 2013 in Zaragoza Spain (June).
- Gaurav Chaurasia attended Eurographics Symposium on Rendering at Zaragoza (Spain) June 19-21, 2013.
- Gaurav Chaurasia presented the paper “Depth Synthesis and Local Warps for Plausible Image-based Navigation” at SIGGRAPH at Anaheim (CA, USA) between July 21-25, 2013.
- Gaurav Chaurasia gave an invited talk titled “Algorithms and Perception for Interactive Free-Viewpoint Image-Based Navigation” at Microsoft Research Redmond, USA on July 18, 2013. He was hosted by Dr. Eyal Ofek in the Xtreme Computing Group.
- Gaurav Chaurasia visited MIT CSAIL between Aug 1, 2013 and Sept 30, 2013. He was hosted by Prof. Fredo Durand computer graphics group.
- Stefan Popov presented his paper at Eurographics 2013 in Girona, Spain
- Stefan Popov attended the Eurographics Symposium on Rendering 2013 in Zaragoza, Spain
- Christian Richardt attended the Berkeley-Inria-Stanford workshop in Stanford to represent the CRISP associate team.
- Christian Richardt attended Eurographics 2013 in Girona, Spain.
- Christian Richardt attended CVPR 2013 in Portland, Oregon, to present the "Megastereo" paper.

- Christian Richardt attended SIGGRAPH 2013 in Anaheim, California, and co-presented a paper with Peter Vangorp (Perception of Perspective Distortions in IBR).
- Emmanuel Iarussi participated in the ACM CHI Conference on Human Factors in Computing Systems. Paris, France - 27 April, 2 May 2013, and in the ACM Symposium on User Interface Software and Technology (UIST), St Andrews, UK, October 8-11, 2013.
- Sylvain Duchêne attended Siggraph Conference 2013 in Anaheim, USA, 18 hours Inria class on Computational Geometry Learning from David Cohen-Steiner, and university english course LAN02.

STARS Project-Team

9.3. Popularization

- François Brémond participated in ERCIM News 95, Special theme: "Image Understanding", Sept 2013;
- François Brémond was interviewed by magazine 01net/itv Jul 2013;
- François Brémond was interviewed on Autisme by Monaco Info TV, September 2013;
- François Brémond gave a talk at Forum de la Recherche, Nice, 22 November 2013;
- Guillaume Charpiat is part of the MASTIC committee;
- Guillaume Charpiat wrote with Yuliya Tarabalka a popularization article about wild fire mapping from satellite images in the magazine Earthzine : <http://www.earthzine.org/2013/09/16/exploiting-temporal-coherence-for-fire-mapping-from-modis-spaceborne-observations/> [53].

TITANE Team

9.4. Popularization

Florent Lafarge gave talks to high school students on city modeling (Lycee Tocqueville, Lycee De La Montagne, and Stage MathC2+). He is a member of the editorial board of LISA (Inria SAM newsletter).

WIMMICS Project-Team

9.3. Popularization

Julien Cojan presented *DBpedia: Wikipédia pour les machines* at café-in seminar, Inria Sophia Antipolis, June 27,⁰

Fabien Gandon:

Le Web sémantique comment ça marche ?, Mines d'Alès, Nîmes, Communication science et société, February 12.

Web sémantique: ou comment se déploient sur le Web les données liées et la sémantique de leurs schémas, Total, February 27.

Le Web de Demain, médiation scientifique, Lycée Guillaume Apollinaire Nice, March 26.

Le Web Sémantique, interview Graphemeride, April 15.

Le Web sémantique, Sophia/Metropole Mag, June.

Web de données et Web sémantique, ressources ubiquitaires pour nos villes et territoires Innovative City Convention, June 18-19.

Web: terra incognita, Nuit des chercheurs, Alès, September 27.

Interview for the magazine *Documentaliste SI* Doc-SI n°3-2013 Webinaire *Roger Pédaque II*, October 10.

Maxime Lefrançois participated to the Science Festival - October 10th to 14th, 2012 - with the Association des Jeunes Chercheurs des Alpes Maritimes (AJC06). He conceived and animated scientific experiences on different energy sources.

We welcomed a scholar for a visit of one week, December 16-20.

⁰<https://project.inria.fr/mastic/cafe-in-27-juin-wikipedia-pour-les-machines/>

ZENITH Project-Team

9.3. Popularization

Zenith participated to the following events in France:

- “La fête de la science” (Montpellier), with the animation of a stand at Genopolys (a science village). We received 7 groups from Oct. 10 to Oct. 11, and then a wider audience on Oct. 12. With this stand, we have participated in the effort of relaunching LIRMM’s activities for this major event in science popularization.
- “Futur en Seine 2013” (Paris, <http://www.futur-en-seine.fr/fens2013/>) with the co-animation of the stand for the presentation of Interstices’ activities.
- annual seminar of the “mecsci” workgroup of Inria, Paris (CNAM) on January 30 and 31 [47].

F. Maseglia is a member of the editorial committee, and contributor, of interstices (<https://interstices.info>), and a member of the scientific committee for the edition of “Datagramme”, the game from Inria on science popularization. He has given a 3 days training to elementary school teachers. This event, called “Graines de sciences” (Ecole de Physique des Houches, <http://www.fondation-lamap.org/fr/graines-de-sciences>) was funded by “La main à la pâte” (<http://www.fondation-lamap.org/>), a French foundation dedicated to science popularization based on manual activities. The goal, here, was to give a 3h training to groups of a dozen of teachers, by mainly using games and activities they would be able to transfer in their classrooms.

A. Joly presented the Pl@ntNet project and the resulting iPhone application in several events including the "Salon de l’agriculture 2013", "Les assises de la biodiversité", "Journée thématique du CNRS autour des usages mobiles de l’information scientifique dans l’Enseignement Supérieur et la Recherche", "Rencontres Agropolis", "journée des nouveaux arrivants de l’Inria", "journées INRA/Inria", etc. Many news media articles, blogs, TV news and twitts also reported on Pl@ntNet (typing "Pl@ntNet" on Google is the best way to get most of them). Finally a movie was realized in collaboration with Interstices (⁰).

⁰<http://videotheque.inria.fr/videotheque/media/browse/2>

COPRIN Project-Team

9.3. Popularization

- A short breve entitled “How Much for My Ton of CO2 ?” coauthored by Mireille Bossy (Inria TOSCA) , Nadia Maizi (CMA ENSMP) and Odile Pourtallier was published on the daily blog of MPE2013 (Mathematics for Planet Earth 2013). <http://mpe2013.org/2013/07/04/how-much-for-my-ton-of-co2/>
- we extensively us the MARIONET-SCHOOL robots for pedagogy and teaching at all level [13]. It has been exhibited at the BAUMA fair (Munich) by german colleagues, at INNOROBO (Lyon), at the JNRR (Annecy) and during the APMEP (association of mathematics professors) workshop (Marseille)
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