



RESEARCH CENTER

FIELD

Digital Health, Biology and Earth

Activity Report 2014

Section Popularization

Edition: 2015-03-26

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ABS Project-Team (section vide)

AMIB Project-Team

7.3. Popularization

Y. Ponty authored the pop. sci. paper *Bio-algorithmique des ARN : petite promenade aux interfaces* [31] for *1024*, the journal of the French society of computer science (SIF).

BAMBOO Project-Team (section vide)

BEAGLE Project-Team

7.3. Popularization

- Guillaume Beslon published an interview on modeling in "la revue du progres".

BIGS Project-Team

8.3. Popularization

- Fête de la Science, Nancy, École des Mines, 2014/10/17 (A. Muller-Gueudin, S. Tindel, P. Vallois).
- Forum Emploi Maths 4, December 2014 (C. Lacaux).
- Advisor of a group of students, "La main à la Pâte" project, Institut médico-éducatif (IME), Commercy, September-December 2014 (S. Ferrigno).
- Advisor of a group of pupils from Lycée Varoquaux, Tomblaine (Maths en Jeans) (P. Vallois).
- Publication of the short science popularization article "Les huîtres ont des oreilles" in the book "Brèves de maths – Mathématiques de la planète Terre". Editions Nouveau Monde, 2014 (pages 214–215). Authors: Romain Azaïs, Raphaël Coudret and Gilles Durrieu.
- C. Lacaux is member of the *comité national universitaire (section 26)* (2011–2015).

BONSAI Project-Team

9.3. Popularization

- We made seven presentations, using dedicated “genome puzzles” in high schools during the “Science week” to popularize bioinformatics.
- During a whole day in June we made presentations on bioinformatics with our “genome puzzles” to several groups of high school students.
- V. Leclère has created a demonstration stand for Xperium, part of the Learning center Innovation of Lille 1 University.

DYLISS Project-Team

8.3. Popularization

- *Revue Math/info Tangente* Nous avons participé à un numéro spécial de cette revue destinée aux lycées avec un article de bioinformatique sur les langages des molécules du vivant illustrant l'intérêt de la modélisation par langages formels dans ce cadre. [J. Nicolas, C. Belleannée, F. Coste] [41]
- *Rencontre Inria Industrie* "Bio-informatique et outils numériques pour les produits de santé" Lyon (Feb. 2014) [F. Coste, A. Antoine-Lorquin, A. Siegel, S. Videla]
- *FrenchTech Rennes* Popularization of genome assembly on a Raspberry Pi at a FrenchTech event in Rennes (Dec. 2014) [G. Collet].
- *Bioinfo-fr.net* Bioinfo-fr.net is a french web site where researchers, engineers and students talks about bioinformatics. We have written 6 articles for this web site on diverse subjects: metabolic networks, genome assembly, phylogenetics, network visualization. [G. Collet, S. Prigent, O. Dameron]. [more info].
- *Fête de la science (LINA, Nantes)* During the 17th of october, 250 students discovered bioinformatics, genome assembly, metabolomics and algorithmic by practicing games and tutorials made by our team with the help of Julien Gras, Erwan Delage and Stephanie Noguét (LINA) [J. Bourdon, D. Eveillard, Y. Guitton].
- *Organization of Sciences en Cour[t]s*. Popularization Festival where PhD students explain their thesis via short films. [S. Prigent, C. Bettembourg, G. Garet] [more info].
- *GNU/Linux Magazine* Article "La bioinformatique avec Biopython", Hors-série 73, pp 84–97. 2014. [O. Dameron] [40]

GENSCALE Project-Team (section vide)

IBIS Project-Team (section vide)

LIFEWARE Team

9.3. Popularization

- Grégory Batt has been an invited speaker at the citizen science workshop Worldviews and Values in Synthetic Biology, Paris, June 2014.
- Grégory Batt had a stand at *Rencontres Inria Industries*, Lyon, May 2014.
- Xavier Duportet has been invited to speak at the *4th Congreso del Futuro* (Santiago, Chili), together with renown change makers (e.g. J. Rifkin, T. Piketty)
- Xavier Duportet is the cofounder and president of Hello Tomorrow, an international non-profit organization to promote technology entrepreneurship, with hubs in more than 80 cities worldwide and organizing one of the largest global startup competition.
- Xavier Duportet is the vice president of *Osons La France*, a forum to promote scientific innovation (Grand Palais, Paris, Dec 2014).
- Xavier Duportet has been featured in *Le Monde*, *L'Obs*, *Europe1*, *L'Opinion (2x)*, *SoonSoonSoon*, *L'Atelier*, and *Widoobiz*.
- François Fages gave an invited talk at *Forum des Lauréats en Informatique et Mathématiques Appliquées*, Collège de France, Paris, Dec 2014.
- François Fages gave an invited talk at *Deuxième Journée Biologie et Mathématiques sur la Montagne*, Collège de France, Paris, Oct 2014.
- Artémis Llamosi is the co-fondeur and general secretary of the OpenLab, and organizer of related events on product industrialization. He provides scientific expertise to hosted startups.

Our research has also been presented at many scientific venues, in invited talks at the

- 21st European Conference on Artificial Intelligence, ECAI'14 (Prague, Aug 2014, François Fages),
- 10th International Conference on Distributed Computing and Internet Technology ICDCIT'14 (Bhubanesvar, Feb 2014, François Fages),

contributed talks

- in LyonSysBio conference (Nov. 2014, François Bertaux),
- International Workshop on Image-based Systems Biology (Jena, Sept. 2014, Szymon Stoma),

invited seminars

- IriSa Rennes and LISBP Toulouse (Grégory Batt),

and posters at

- the Systems Biology of Human Diseases workshop (Harvard, June 2014, François Bertaux),
- q-bio summer conference (Santa Fe, Aug. 2014, François Bertaux),
- Stochastic Biology (IST Austria, May 2014, François Bertaux),
- Image Bioinformatics (Leuven, Oct. 2014, Szymon Stoma),
- European Conference on Computational Biology (Strasbourg, Sep 2014, Denis Thieffry, Pauline Traynard),
- International Conference on Systems Biology (Melbourne, Sep 2014, François Fages, Pauline Traynard).

MAGNOME Project-Team

9.3. Popularization

David Sherman works with Didier Roy and Pierre-Yves Oudeyer of the Flowers project-team to develop tools and courseware for helping elementary school students explore robotics. David has developed software for communicating between the Scratch 2 visual programming language and the Thymio-II educational robot, and examples for use in the classroom.

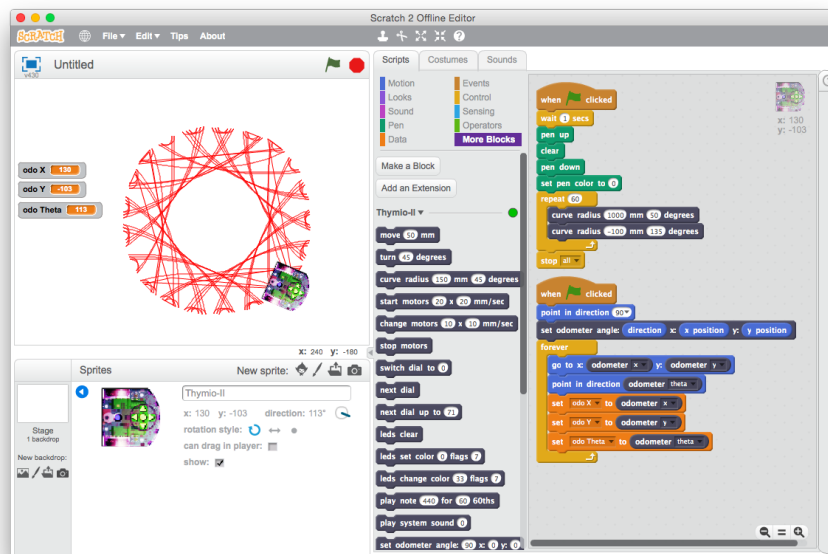


Figure 4. Piloting the Thymio-II robot with Scratch 2

MORPHEME Project-Team

7.3. Popularization

Eric Debreuve was invited to give a presentation for the seminar series “Café-in”, Inria CRI SA-M, November 2014.

SERPICO Project-Team (section vide)

VIRTUAL PLANTS Project-Team

8.3. Popularization

- Christophe Godin and Frédéric Boudon presented the Secret Code of Flowers in the context of an Inria initiative at the Science Festival in October.
- Christophe Godin gave two classes on Fractals in science at Lycée Pompidou (Castelnau-Le-Lez).
- Yann Guédon gave a class about the analysis of plant architecture for high-school students "Math C2+" organized by Montpellier 2 University.

ARAMIS Project-Team

9.3. Popularization

The team is involved in the BrainCatalogue project (coordinator: Roberto Toro, Institut Pasteur) dedicated to the popularization of neuroanatomical knowledge. The project features MRI scans and 3D reconstructions for various vertebrates species (bear, mouse, macaque, dolphin, leopard, rhinoceros, human, squirrel ...).

The team coordinates the activity of the FreeBorn consortium which aims at promoting the interaction and visibility of the French research teams working on brain connectivity and network theory: <https://sites.google.com/site/fr2eborn/>

ASCLEPIOS Project-Team

8.3. Popularization

Maxime Sermesant gave 2 presentations in 2014 about research and medical imaging in local high schools (Lycée Tocqueville in Grasse and Lycée Saint Exupéry in Saint Raphaël).

ATHENA Project-Team (section vide)

DEMAR Project-Team (section vide)

GALEN Project-Team

9.3. Popularization

- **Blaschko, Matthew**
 - **Presentations:** Third School on Machine Learning and Knowledge Discovery in Databases (BR), Computer Vision and Pattern Recognition Tutorial (US), KU Leuven (BE), Machine Learning Challenge MICCAI Workshop (US), Agence Nationale de la Recherche (FR)
- **Kokkinos, Iasonas**
 - **Presentations:** Imagenet workshop (in conjunction with ECCV, CH), TTI-Chicago (USA), KTH University (SE), Dagstuhl Seminar on Shape Analysis (DE).
- **Kumar, Pawan M.**
 - **Presentations:** University of Oxford (UK), Ecole des Ponts (FR), Swedish AI Society Workshop (SAIS '14, SE), Xerox Research Center Europe (XRCE) (FR).
- **Paragios, Nikos**
 - **Presentations:** Reconnaissance de Formes et l'Intelligence Artificielle (RFIA'14, FR), Medical Imaging Summer School (MISS'14, IT), International Conference on Pattern Recognition (ICPR'15, SE), Algorithmic issues for Inference in Graphical Models (AIGM'14, FR), University of Patras (GR), Swiss Federal Institute of Technology in Zurich (ETHZ) (CH).

MNEMOSYNE Project-Team

8.3. Popularization

For a multi-disciplinary team as Mnemosyne, science popularization is not a nice and useful contribution to the dissemination of scientific knowledge but also a necessity since we work with colleagues from bio-sciences with whom sharing profound ideas in computer science is mandatory for a real collaboration.

- Thierry Viéville is half-time involved in popularization actions both at a concrete level (including on Mnemosyne subjects) and at the methodological level. This explains the amount of references to these external subjects in this document.
- Nicolas Rougier: Invited talk on “The role of the body in human cognition” in the 13th Forum des Sciences Cognitives, Paris, March 2014; Participation to a round-table meeting on the digital society at the Futur en Seine festival; Article in Linux Mag on scientific visualization [21]
- PhD students participated to the regional exhibition Aquitec (C. Héricé and Maxime Carrere) and to “Fête de la Science” C. Héricé).

NEUROMATHCOMP Project-Team (section vide)

NEUROSYS Team

8.3. Popularization

- TV interview for France 3 Lorraine, April 7 2014 (L. Buhry)
- Interview for the "Interstices" podcast, May 22 2014 (L. Buhry)
- Brain week: Comment lire dans les pensées d'autrui ? 12 March 2014, central hospital, Nancy (L. Bougrain)
- Exhibit on *controlling a robotic arm using EEG* at Researchers' Film Festival, June 10-15, 2014, Parc de la Pépinière, Nancy (L. Bougrain)
- Computational neuroscience, Inria Scientific Days, June 2014 (Laure Buhry)
- OpenViBE, Inria Scientific Day, June 2014, Lille (L. Bougrain)
- Is it really statistically significant? « Dynamics of neural circuits » NETT workshop, March 2014, Florence (L. Bougrain)
- Multiclass approaches to identify motor imageries, LAGIS sem., Jun. 2014, Lille (L. Bougrain)
- *Additive noise in neural populations on multiple scales*, Bernstein Center for Computational Neuroscience, Berlin, July 2014 (A. Hutt)
- *Modelling neural population activity under anaesthesia*, Humboldt University Berlin, July 2014 (A. Hutt)
- *Pattern storage and transient dynamics in heterogeneous neural fields in the context of cognition*, 3rd International Conference on Neural Field Theory (ICNFT), Reading, June 2014 (A. Hutt)
- *Additive noise tunes the stability in nonlinear delayed systems*, Conference on Random Dynamics and Stochastic Numerics, Mannheim, June 2014 (A. Hutt)
- *Additive noise tunes the stability in nonlinear systems*, Inhomogeneous random systems, Paris, January 2014 (A. Hutt)
- *Additive noise in neural populations on multiple scales*, Fluctuations in Population Biology, Epidemiology and Evolution, Leiden, August 2014 (A. Hutt)

PARIETAL Project-Team

9.3. Popularization

- Bertrand Thirion has taken part to the *Autour de la question* broadcast program on Feb. 24th.
- Bertrand Thirion co-authored the popularization paper : "Le décodage cérébral : exemple de la vision" in Clefs CEA, issue 62.
- Gaël Varoquaux gave a tutorial on scikit learn at the Microsoft Tech Days (February).

POPIX Team

9.3. Popularization

- Marc Lavielle was invited to give a talk for the "Olympiades des Mathématiques" in Cachan
- Marc Lavielle was invited to participate to the "Nuit des Sciences" at ENS and give a talk about statistics and GMO.

SHACRA Project-Team

8.3. Popularization

8.3.1. *Talk at College de France*

Our project leader Stéphane Cotin made a talk at the College de France entitled "*Simulation en médecine : présent et futur*". This was done the 17th June 2014 in the scope of the Informatic chair, led by Nicholas Ayache.

8.3.2. *Journée Francaise de Radiologie, JFR*

The SHACRA team was par of the JFR 2014 event in Paris from the 18th to the 20th October. Hugo Talbot and Rosalie Plantefève presented their work and the project developed by the team.

8.3.3. *Interaction Healthcare*

The company Interaction Healthcare organized an event on the 3rd of April 2014 taking place in Paris. With this conference, the company aimed at promoting the field of serious games and virtual simulation training. At this occasion, Hugo Talbot presented the latest version of the training simulator for electrocardiology: "Electrophysiology simulation for RF-ablation of ventricular arrhythmia".

8.3.4. *IHU Scientific Days*

At the occasion of the IHU Scientific days, we visited the IHU Strasbourg and a talk was done by Stéphane Cotin.

8.3.5. *Visit to the Mentice company*

In december 2014, the training simulator for electrocardiology inteventions was presented to the Mentice company in Göteborg (Sweden). This was the opportunity to discuss our mutual technologies and compare our simulators.

8.3.6. *Euratechnologie*

The team presented simulations in the Inria showroom at Euratechnologie in Lille all year long. This was the opportunity to get very positive and interesting feedback from visitors.

SISTM Team (section vide)

VISAGES Project-Team

9.3. Popularization

- Conférence/débat public "Le partage de données d'imagerie en santé: Noeud FLI-IAM", Journées Françaises de Radiologie
- Conférence/débat public "Les biomarqueurs d'imagerie" Collège de France
- Conférence/débat public Technoférence "E-santé", Pôle Image et Réseaux
- Exposition Stand démonstration Inria, Journées Françaises de Radiologie
- Presse écrite "Équipe de recherche Visages et ses projets innovants", Revue CAPITAL
- Site web de vulgarisation "Projet Hemisfer", lettre d'information Emergences Inria
- Site web de vulgarisation : reportage photo Serimedis/inserm
- Site web de vulgarisation Emergence Inria: <http://emergences.inria.fr/emergences-2014/newsletter-n30/L30-SHANOIR>

ANGE Project-Team (section vide)

CASTOR Project-Team

9.2. Popularization

Contribution of B. Nkonga to a Newspaper in the local Journal La Marseillaise www.lamarseillaise.fr/.../30371-90-mathematiciens-en-fusion-a-luminy

Contribution of B. Nkonga to the Iter interfaces news. <http://www.itercad.org/Interfaces/Interfaces51.pdf>

B. Nkonga and H. Guillard was organizers of the summer school CEMRACS 2014 on Numerical modeling of plasmas, July 21 - August 29, CIRM, Marseille

CLIME Project-Team

9.3. Popularization

- Marc Bocquet wrote a paper on “La prévision numérique du temps” in the journal “Revue de Technologie” meant for the teachers of vocational technical education.
- Victor Winiarek and Marc Bocquet wrote an internet contribution “de la radioactivité dans l’air”, which was published in the general audience book “Brève de maths”, Nouveau Monde éditions, Paris, 2014.
- Marc Bocquet and Mohammad Reza Koohkan wrote an internet contribution “Quand modèles numériques et mesures ne sont pas sur la même longueur d’onde”, which was also published in “Brève de maths”.
- Vivien Mallet took part to a one-day introduction to Inria research at Assemblée Nationale, as organized by the group “Internet et société numérique”.
- Vivien Mallet introduced data assimilation at urban scale during the “rencontre Inria-industry” organized during the Futur-en-Seine digital festival.

COFFEE Project-Team (section vide)

FLUMINANCE Project-Team

9.3. Popularization

Etienne Mémin

- E. Mémin. Ou vont les nuages ?, Un jour, une brève, Mathématiques de la planète terre, (Brève)
- Invited paper in the journal "Revue française de photogrammétrie et de Télédétection", Outils méthodologiques d'analyse d'images MSG : estimation du mouvement, suivi de masses nuageuses et détection de fronts, with T. Corpetti, V. Dubreuil, E. Mémin, O. Planchon, C. Thomas.
- Invited paper in the journal de la Société Française de Statistique, Image data assimilation with filtering methods, with Anne Cuzol.

KALIFFE Project-Team (section vide)

LEMON Team

9.3. Popularization

Antoine ROUSSEAU is co-author of the **book** [16] (and **blog**) *Brèves de Maths* (Ed. Nouveau Monde, Nov. 2014)

Antoine ROUSSEAU gave several conferences for highschool students and their teachers in France, on the topics of mathematical modeling for environmental sciences:

Fête de la Science, Oct. 2014, Genopolys Montpellier (with Twitter reports on the national account [@EnDirectDuLabo](#))

Fête de la Science, Oct. 2014, Centre International de Valbonne

Initiation à la recherche, Oct. 2014, **Lycée Saint-Sernin**, Toulouse

Antoine ROUSSEAU gave a public lecture for Inria staff *Café In'* in Inria Sophia, Dec. 2014

Antoine ROUSSEAU was invited to the *Société Informatique de France* annual workshop **SIF 2014** to participate to a round table on scientific outreach

Antoine ROUSSEAU is member of the national Inria network for scientific outreach *Médiation scientifique*

Arnaud Duran gave a public lecture for high school students at Collège Jean Bène (Pézénas, France), Feb 2014.

MAGIQUE-3D Project-Team

9.3. Popularization

Juliette Chabassier has written a contribution for interstices, “Le piano rêvé des mathématiciens” (see https://interstices.info/jcms/ni_76925/le-piano-reve-des-mathematiciens)

Juliette Chabassier has contributed to “Visages des Sciences”, a series of postcards which are portraits of scientists.

MOISE Project-Team

9.3. Popularization

- Since 2010, Ch. Kazantsev is the Director of the IREM of Grenoble <http://www-irem.ujf-grenoble.fr/irem/accueil/>. The Institute is under rapid development now, joining about 30 teachers of secondary schools of the Grenoble region and 15 university professors. They work together 16 times a year on the development of the teaching strategy for the educational community. In addition to this, IREM is the editor of two journals: "Grand N" destined to primary schools teachers and "Petit x" – to the secondary schools. As a director and as an animator of IREM, Ch. Kazantsev has participated at
 - the week of Mathematics, the 17 and 21 March 2014,
 - the festival "Remue-Méninges", Echirolles, 22-25 April 2014,
 - the internship MATHC2+ in June and in October 2014,
 - the "Journées Nationales de l'APMEP": presentation of two workshops with M. Gandit "Sky: between historical and simulated data",
 - the "Fête de la science" with workshops "28 nuances de sciences" and "Récréation mathématique pour tous".
- M. Nodet gave talks and made posters to explain how the "problem-based learning" (a special case of "active learning") approach was introduced in mathematics for Grenoble university undergraduates, see e.g. [75] and [61].
- M. Nodet (in collaboration with A. Rousseau and S. Minjeaud) wrote a chapter of an outreach book "Brèves de maths" [59].
- M. Nodet gave outreach talks about "mathematics for environmental modelling" in various occasions: for the Grenoble maths Olympiades awards, twice for the "Science Fair 2014" (one for undergraduate students, one for secondary school pupils), for a daily visit of highschool students at Valence university.
- M. Nodet supervises a maths club "Math en Jeans" for secondary school pupils at two schools around Grenoble, which consists in proposing open research subjects to the students and supervising them over the year, in collaboration with the teachers.
- E. Blayo gave several outreach talks, in particular for the inauguration of the Fédération Rhône-Alpes-Auvergne de Mathématiques (Lyon, February 28), for the ceremony of the Christian Le Provost prize of the French Academy of Science (Saint Briec, April 18), and for MathC2+ internships.

POMDAPI Project-Team

8.3. Popularization

J. Ch. Gilbert has written the following page on Wikipedia.fr in 2014: [Optimisation quadratique](#).

M. Kern participated in a meeting with high school students during the “Fête de la Science” (CNAM, Paris, October 3rd, 2014), and gave presentations on the theme “Mathematics and Simulation for Underground Water” to middle school and high school students.

SAGE Project-Team

8.3. Popularization

- J-R. de Dreuzy, J. Erhel and G. Pichot presented a poster entitled "Une eau souterraine très sollicitée", at Rencontres de la Transition Ecologique en Bretagne, January 2014 [39].
- J. Erhel gave a talk entitled "la terre se met aux maths", at lycée Descartes, Rennes, in March 2014 [38].
- J. Erhel participated in the panel on "Parle-t-on d'informatique comme on parle des autres sciences?", congrès SIF, Poitiers, France, Feb 2014
- The text "Henry Darcy et sa loi" from J. Erhel was published in the book brèves de maths [37]
- É. Canot, J. Erhel and L. Lenôtre, with M-O. Cordier, N. Lacaux, C. Lafon and J. Stainer, were in charge of the two stands Inria and Interstices at Village des sciences, Chartres de Bretagne, Sep 2014.
- J. Erhel and M-O. Cordier, with Espace des Sciences de Rennes, invited J.-P. Delahaye to celebrate the ten years of Interstices and to give a conference about the bitcoin, Rennes, October 2014.
- L. Lenôtre gave a talk at Conf'Lunch, Inria Rennes, December 2014.

STEPP Team (section vide)

TONUS Team

9.3. Popularization

Philippe Helluy has given a conference at the "Maison des sciences" in Strasbourg. This event is proposed for the formation of middle and high school teachers. The title of the conference was "Modèles mathématiques pour la météo".

BIOCORE Project-Team

9.3. Popularization

The activities related to microalgae have generated many articles in national newspapers (Le Monde.fr, Libération, Le Point.fr, ...), and broadcasts on national TV. Several articles were written by the team members to explain the hurdles and potential of microalgae [74]. A book [93] was also written with C. Gudin (formerly at CEA Cadarache) on the potential of microalgae. We also developed a Java applet for the simulation of microalgae growth and biological pest control. The aim of the applet is for the general public to understand the goals and difficulties of controlling such systems.

We have also made a short movie to explain the advantages of our supervision software **ODIN** and to present the pilot photovoltaic greenhouses which will be developed within the ANR Purple Sun project.

CARMEN Team

8.3. Popularization

- G. Ravon and Y. Coudière obtained a financial support from Cap' Math for the game: "Heart Attack". It is destined to middle and high school students to introduce mathematical modelling.
- S. Labarthe presented the work of the team at the June session of the Inria Bordeaux-Sud Ouest "Unithé ou café" scientific diffusion presentation.

DRACULA Project-Team

9.3. Popularization

- Fabien Crauste : Cycle "Mathématiques et médecine" de l'Université Ouverte "Grippe saisonnière, épidémie, pandémie : quel apport des mathématiques ?", 25 March 2014.
- Olivier Grandrillon : Participation in the café des sciences "La recherche en génétique, entre prouesses et promesses", in Lyon (Samedi 11 octobre)
- Samuel Bernard : Participation in Conférence à l'Université Ouverte "Garder le rythme, c'est garder la santé" and "L'âge de nos cellules par test nucléaire", in Lyon.
- Thomas Lepoutre : Cycle "Mathématiques et médecine" de l'Université Ouverte.
- Thomas Lepoutre is one of the organizer of Mathalyon (Mathematical exhibitions in highschool with 4 researchers, 20 days of intervention every year).
- Thomas Lepoutre : Intervention at Cité Scolaire Internationale (Highschool in Lyon) to explain what is a researcher's job.
- Laurent Pujo-Menjouet : Cycle "Mathématiques et médecine" de l'Université Ouverte "Le bonheur est dans le pré, les vaches folles aussi", 16 September, 2014.
- Laurent Pujo-Menjouet : supervising junior high school students for the "MathenJeans" program <http://www.mathenjeans.fr> (academic year 2014-2015).

M3DISIM Team

8.3. Popularization

- D. Chapelle interviewed for article in “Usine Nouvelle” on cardiac modeling
- D. Chapelle invited at “Futur en Seine” event for presentation and debate on predictive systems
- P. Moireau presentation for the Inria Direction of Financial Affairs on the “heart forecasting”

MAMBA Team

MASAIE Project-Team (section vide)

MODEMIC Project-Team

8.3. Popularization

Jointly with Inria project-team LEMON, MODEMIC has participated to the elaboration of a “serious” game for learning how to purify fast and well a water reservoir, in the scope of the international initiative Mathematics of Planet Earth and the french consortium Cap’Maths (see [5.1](#)).

MYCENAE Project-Team

8.3. Popularization

- M. Desroches is section-chief editor of the media gallery of DSWeb, a website dedicated to dynamical systems <http://www.dynamicalsystems.org/pi/>.
- Participation to the scientific popularization book “La Reproduction animale et humaine” [29]

NUMED Project-Team

8.3. Popularization

V. Calvez is responsible of "Math à Lyon", a serie of conferences in high school.

E. Grenier gave a public conference in Nancy in november 2014 on "mathematics and drugs".

P. Vigneaux took part of a general book "Brèves de Maths - Mathématiques pour la planète Terre. Nouveau Monde" éditions. ISBN 9782365838962. Octobre 2014. 255p. Patronage de l'INSMI-CNRS, Inria, SMAI, SMF, SFdS

P. Vigneaux is a member of the board of "Images des Maths", a pedagogic website.

REO Project-Team

9.4. Popularization

- Matteo Aletti
 - presentation at "Incontro Neo-Laureati" (Conférence jeunes diplômés) at Politecnico di Milano
 - presentation about REVAMMAD project at ArtVerona
- Céline Grandmont
 - Popularization paper "Inspiration mathématique: la modélisation du poumon", in *Mathématique l'explosion continue*, edited by SFdS, SMAI, SMF.
 - Conference «Nuit des Sciences, ébullition», ENS Paris, june 2014
 - Conference «Mathematic Park a Bobigny», 300 students (high school level), oct. 2014
 - Conference «Filles et Maths: une equation lumineuse», 60 students, (high school level), oct. 2014.
- Irene Vignon-Clementel
 - Conference in High School Blanche de Castille, March 25th, Le Chesnay

SISYPHE Project-Team (section vide)