The e-Bug project in France Implementation

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En partenariat avec:

Ministry of Education:
General Direction for School Teaching: Dr URUCUN / Mme NEUILAT;
General Inspection: Mme MAMECIER / M. CLAUSD / M. LOARIE;
Nice local school authority: Mme DAEDEN / Dr AZUELOS-PLAMM / Dr BERTOILISSIO / Dr PITTALUGA / M. DEVERRE / Mme ADAM / Mme VIAL / M. SALVADOR;
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## NUMBER OF SCHOOLS

There are 7010 senior schools and 56 158 écoles junior schools, in all 63 168 concerned schools.

88 % of these schools are public and 12 % are private.

Among the private schools 97.3 % have a contract with the MoE meaning they respect exactly the same national curriculum as public schools.

## NUMBER OF JUNIOR SCHOOL TEACHERS

There are 367 4620 teachers. 91866 (approximately) of whom are teaching the junior age groups concerned by the e-Bug project (CM1 et de CM2)

## NUMBER OF SENIOR SCHOOL TEACHERS

There are 14 400 science teachers in senior schools.

In all 106 266 teachers in France are concerned by the e-Bug project.

## PACK PRINTING

Junior Packs 116 000
Senior Packs 18 000

In all 134 000 exemplaries will be printed and approximately 1 pack per concerned teacher and key person.

The funding of the printing costs have been shared equally between the MoH and the National Health Insurance.

## LOCAL SCHOOL AUTHORITIES

We thank all the 43 teachers and schools in the Nice and Bordeaux area and their students for their participation in the evaluation of the e-Bug project in France.

## CURRICULUM

The background research showed that the items approached by the e-Bug project were best linked to the following science national curriculums:

- Junior schools: CM1 and CM2 (9 – 10 year olds):
  - Unity and diversity of the living world
  - Health education and the human body
  - Environmental education
- Senior schools:
  - 6ème (11 year olds) Diversity, relationship and unity of the living world Practices at service to human food
  - 3ème (14 year olds) Human responsibility: health and environment Infectious risks and protection of the human body

## ENDORSEMENT

The Ministry of Health send a letter to the Ministry of Education advising them to approve the implementation of this project in France. The Ministry of Education answered by an agreement on September 11 2006.

The project was officially integrated in the National Plan to Preserve the Efficiency of Antibiotics in 2007.

The institutional implementation confirm this commitment.

## PRESENTATIONS AND POSTERS

- Poster and poster presentation at the national infectious congress in 2007 and 2009
- Presentations at the steering committee of the National Plan to Preserve the Efficiency of Antibiotics in 2007 and 2009
- Presentation at a GRIN (General Practice Respiratory Infection Network) european conference
- Regular presentations at the local school authority in Nice
- Presentation at a Hygiene conference 2009
- Presentation at the national GP congress in Nice 2009
- Presentation at a work shop concerning vaccinations at the Ministry of Health in September 2009
- Articles in the journal of the University Hospital and the GH Magazine (distributed to all French hospitals)

## AN INSTITUTIONAL IMPLEMENTATION

All French partners agreed to launch the e-Bug project by a national institutional implementation.

An information letter, describing the project and highlighting the interest for using this resource when teaching the following public health matters in schools:

- Preserving efficiency of antibiotics
- Prevention of infection transmission in the context of pandemic flu is sent by the MoE and the National Institute for Health Education to inform:
  - School principals of all concerned schools
  - To all local school authorities
  - Elementary school inspectors
  - Senior school science inspectors
  - School practitioners and nurses
  - School library responsibilities

Commands can be made on-line and packs will be sent according to the commands by the distribution department of the National Institute for Health Education.

Interventions are planned to promote the e-Bug project at the Antibiotic Awareness Day on 18.11.09.

Information of practitioners all over France is planned Promotion in science teachers magazines.

## CONTEXT


Local and national various interventions to promote appropriate antibiotic use have been launched since 2000 (Antibio quand il faut, Antibiotiques c’est pas automatique, Antibio, Lameanrbiot.

Analysis of the National Health Insurance data basis concerning outpatient care antibiotic prescriptions shows a decrease of 26.5 % in community based antibiotic prescribing between 2002 and 2007. Significant reduction of antibiotic use in the community after a nationwide campaign in France 2002-2007 Eliff, Guillermot http://plodmedecine.org/home.action

The interest of school interventions is to reach a high proportion of children in their normal learning surroundings, making cultural changes easier prolonge the effects of public health campaigns

## FRENCH PARTICULARITIES

In the context of flu pandemics the interest of the hand and respiratory hygiene activities is highlighted in the information letter

Microbe culture is forbidden in schools alternative activity based on photos.

In accordance with the French partners the «sneeze in the sleeve» message is highlighted in the Respiratory Hygiene activities for juniors and seniors and an alternative activity is added for senior students.

According to the evaluation in France the yoghurt making activity in the Useful Microbe section for seniors was considered too complicated and timeconsuming. An alternative activity was added based on yeast.

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