The OW2 programming contest in China: a success story

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- ➲ **Experience of OW2 projects to GSOC in 2007**

- ➲ **OW2 invited to be guest in the Scilab programming contest in October 2008**

- ➲ **Decision to organize a joint Scilab-OW2 programming contest in China, starting in 2009**

OW2 Programming contest Principles

➲ **What is it?**

- Joint programming contest with Scilab
- Two distinct parallel OW2 and Scilab tracks

➲ **What does it consist of?**

1. OW2 projects propose **topics** for work
   - typically 3 to 4 man-months workload
2. Contestants register and select a topic
3. Programming happens during the summer, with contestants ↔ OW2 project interactions
4. Development of the code hosted on the Trustie collaborative development platform

➲ **Who should participate?**

- Open to everyone...
- ...but awards ceremony in China (hosted by a Chinese university)

OW2 Programming contest Organization

➲ **What is expected from OW2?**

- OW2 projects submit topics for the contest
- OW2 Management Office and OW2 China Local Chapter advertise the contest and publish the topics on the OW2 website
- OW2 organizes the selection jury and process
- OW2 looks for sponsors for the prizes

➲ **Typical timeline**

1. Topics proposal → mid February
2. Opening of the contest → early March
   - Registration of contestants → June
1. Submission of work → end August
2. Selection by OW2 jury → mid September
3. Ceremony in China → late September

OW2 Programming contest Selection and award

➲ **What happens to the submissions?**
  - ▪ OW2 forms a jury with the Technology Council and the OW2 project topic contacts
  - ▪ Jury selection of first, second and third prizes

➲ **What happens next?**
  - ▪ Joint awards ceremony with Scilab
  - ▪ Annoucement of the winner at the ceremony
  - ▪ Includes a joint SCILAB-OW2 workshop
    - • with presentations by the contestants

➲ **Who organizes the ceremony and workshop**
  - ▪ A Chinese university is in charge of local organization

OW2 2009 Programming Contest

- **First OW2 programming contest**
- **21 topics proposed from OW2 projects**
- **Total 17 registered teams**
- **6 team works submitted**
- **Teams came from**
  - Peking University (PKU)
  - Beihang University (BUAA)
  - Nanjing University of Aeronautics and Astronautics

OW2 2010 Programming Contest

➲ **Second OW2 programming contest**
➲ **45 topics proposed from OW2 projects**
➲ **Total 21 registered teams**
➲ **12 team works submitted**
➲ **Teams came from**
  ▪ Institute of Software Chinese Academy of Science
  ▪ Nanjing University of Aeronautics and Astronautics
  ▪ National University of Defense Technology
  ▪ Peking University

Benefits for OW2

➲ **For OW2 projects**
- Exposure of project through topic publication
- Possibility to attract contributors
- Integration of result work in the codebase
- Collaboration with Chinese universities and students

➲ **For OW2 members**
- Possibility of sponsorship and associated visibility
- Perspectives of hiring students

➲ **For the OW2 community**
- Visible community event
- Increases links with the OW2 China Local Chapter
- Increases links with other communities (SCILAB)

Benefits for the contestants

- **Possibility to win a prize** ☺
- **Participation to an international community**
- **Discovery of open source development**
- **Participation to the ceremony**
  - Including oral presentation in English
  - Including slides and published abstract

Lessons and perspectives

- ➲ **Contestants deliver in a short time**
  - ▪ Need to setup a weekly report between each team and its topic contact for efficiency
- ➲ **Organization takes some time**
  - ▪ But it is part of our job and service to the OW2 projects
- ➲ **We will continue in 2011!**