

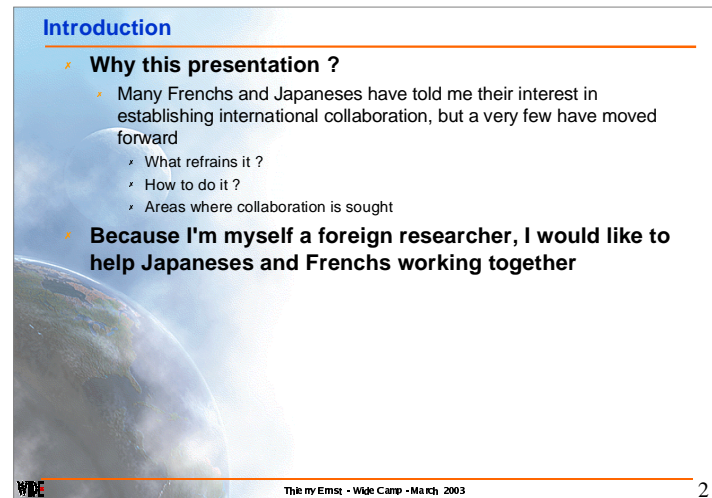



International Collaboration

How-to Tutorial

Ernst Thierry
Keio University
ernst@sfc.wide.ad.jp
<http://www.sfc.wide.ad.jp/~ernst/>

Thierry Ernst - Wide Camp - March 2003



Introduction

- ✦ **Why this presentation ?**
 - ✦ Many Frenchs and Japaneses have told me their interest in establishing international collaboration, but a very few have moved forward
 - ✦ What refrains it ?
 - ✦ How to do it ?
 - ✦ Areas where collaboration is sought
 - ✦ **Because I'm myself a foreign researcher, I would like to help Japaneses and Frenchs working together**

Thierry Ernst - Wide Camp - March 2003 2



International Collaboration: Why ?

- ✦ **Information technology has no boundary**
- ✦ **Distinct people / organizations / countries have distinct strengths (and weaknesses)**
 - ✦ Everyone needs someone else
 - ✦ There are many things to learn and share

Thierry Ernst - Wide Camp - March 2003 3



International Collaboration: What may refrain it ?

- ✦ **People don't know each other**
 - ⇒ Need to identify people and establish contacts first
- ✦ **People don't know how to formalize collaboration**
- ✦ **Need more discussions**
- ✦ **Language barrier**
 - ✦ Common language
 - ✦ Lack of communication
 - ⇒ Need to go beyond the language barrier
- ✦ **Finances**
 - ✦ Many solutions, but most people don't know
 - ⇒ Need to look for possible sources of financement

Thierry Ernst - Wide Camp - March 2003 4

International Collaboration: Establishing contact

- ✦ **First, need to identify potential partners working on subjects of interest**
 - ✦ Formal meetings are not necessary
 - ✦ International conferences
 - ✦ Writing papers
- ✦ **Establish trust-relationship by exchanging ideas**
 - ✦ Co-authoring research papers, internet-drafts
 - ✦ Collaboration on implementation issues
- ✦ **At some point in time, exchange of people is necessary**
 - ✦ For long-lasting cross-relationships
 - ✦ To know each other well



International Collaboration: Language barrier

- ✦ **English is the language for global communication**
 - ✦ Existing English skills are generally good enough for communicating
 - ✦ But non English-language native often find hard to express themselves in forums
 - ✦ Better skills are only coming with more practice, foreign collaboration and more communication
 - ✦ Up-to-date information must be provided in English
 - ✦ web pages, research reports should have English abstracts



International Collaboration: Where ?

- ✦ **Most European and Japanese researchers are going to the US for their foreign experience**
 - ✦ Why:
 - ✦ They fear the language barrier
 - ✦ US Labs are very good at advertising what they do
 - ✦ It doesn't mean they do better research
 - ✦ Why not:
 - ✦ Avoid to do things like everyone
 - ✦ Variety of contacts is better
 - ✦ Working language is usually English
 - ✦ There are many other good places than the US
 - ✦ World Cup (I came with hope to see France in final in Yokohama; may be you should try next one is in Germany :-)



France – Japan

- ✦ **Japan and France are both leading countries in IPv6**
 - ✦ Ipv6 is politically important in both countries
 - ✦ priority for both French and Japanese government
 - ✦ many opportunities
- ✦ **Priorities from the French government**
 - ✦ Developing international collaboration
 - ✦ Japan is listed as one of the priority countries
 - ✦ Developing "sciences and technology of the information"
 - ✦ Ipv6
- ✦ **Priorities from the Japanese government**
 - ✦ You know better than me
 - ✦ Ipv6
 - ✦ International collaboration ?



France-Japan: Financing

- ✦ **In both directions**
 - ✦ Frenchs in Japan
 - ✦ Japaneses in France
- ✦ **Many sources of financemnt**
 - ✦ Governments (PhD)
 - ✦ Institutes, Universities (Post Doc)
 - ✦ Private companies (Engineer, Internships)
- ✦ **Who is concerned:**
 - ✦ PhD: 3-year programs
 - ✦ Post Doc: 1-2 years
 - ✦ Visiting researchers: few months to 1 year
 - ✦ Engineers (work contract)
 - ✦ Internships: a few months over summer break
 - ✦ [private companies]
- ✦ **All programs are very common in Europe and usually open for foreigners**



France-Japan: Financing

- ✦ **Japaneses working in France**
 - ✦ Public institutes usually have a budget to welcome visitng researchers (e.g. INRIA)
 - ✦ 3-years program for PhD students
 - ✦ Internships in company
 - ✦ Japanese sources (government, WIDE ?)
- ✦ **Foreigners working in Japan**
 - ✦ Research fellowships from foreign countries
 - ✦ e.g French government, public institutes, industries
 - ✦ Japanese government programs
 - ✦ WIDE ?



France – Japan: How to go forward ?

- ✦ **Easiest way is to start with:**
 - ✦ Collaboration between INRIA and WIDE could be the core
 - ✦ WIDE is well known in France
 - ✦ INRIA is well known in Japan
 - ✦ International companies having a feet in a foreign country. E.g.:
 - ✦ Hitachi (Nice – France)
 - ✦ NEC (Heidelberg – Germany)
 - ✦ France Telecom (Tokyo)



France-Japan: Possibilities

- ✦ **Nautilus:**
 - ✦ Develop and deploy the IPv6 mobile Internet
 - ✦ Network mobility, Mobile IP, multihoming, access control, ...
 - ✦ Mission oriented project under creation within WIDE
 - ✦ Frenchs and Japaneses partners are sought
 - ✦ Student internship
 - ✦ 1 French student from University of Strasbourg is going at SFC April
 - ✦ SFC students likely to go in France
 - ✦ For details: come to v6mob WG meeting (Wednesday)
- ✦ **Caramel:**
 - ✦ Automatic configuration of access networks at home
 - ✦ Home networking (security, multihoming, DNS, transition, ...2-years project financed by the French government
 - ✦ Consortium: 6WIND, Alcatel, Juniper, ENST, INRIA, Thomson
 - ✦ WIDE partnership is sought from the Frenchs
 - ✦ Any interest ? Please ask me for details



Conclusion: Keywords and tricks

- ✦ **TRY !**
 - ✦ One cannot be successful in anything without trying
- ✦ **DON'T BE SHY !**
 - ✦ The first step is the most difficult
- ✦ **COMMUNICATE MORE !**
 - ✦ People from different cultures have different ways to communicate
 - ✦ What you assume may not be understood - always clarify
 - ✦ Communication vector is to be invented on a peer-to-peer basis
- ✦ **SEEK FOR HELP**
 - ✦ I will assist you in anything, particularly as long as France is concerned
- ✦ **EXCHANGE STUDENTS**
 - ✦ I will help students who express their motivation to find an internship
 - ✦ I can find French students if you propose an internship

International Collaboration: Language barrier

- ✦ **For Japanese:**
 - ✦ Most Japanese scientists speak English but are often shy
 - ✦ They don't speak much in international forums (e.g. IETF)
 - ✦ They mostly only implement standards but don't usually discuss requirements and issues much before standardization (e.g. IETF)
 - ✦ Reactive behavior, not pro-active
- ✦ **For foreigners**
 - ✦ Hard to find Japanese up-to-date information in English
 - ✦ web pages, research reports should have English abstract
- ✦ **How to go beyond the language barrier (both sides) ?**
 - ✦ Enhancing language skills is necessary
 - ✦ Existing English skills are generally good enough for communicating
 - ✦ Better skills are only coming with more practice and foreign collaboration
 - ✦ More written information in English
 - ✦ Web page
 - ✦ More communication