ALADIN political achievements. Towards an 'harmonious' future?
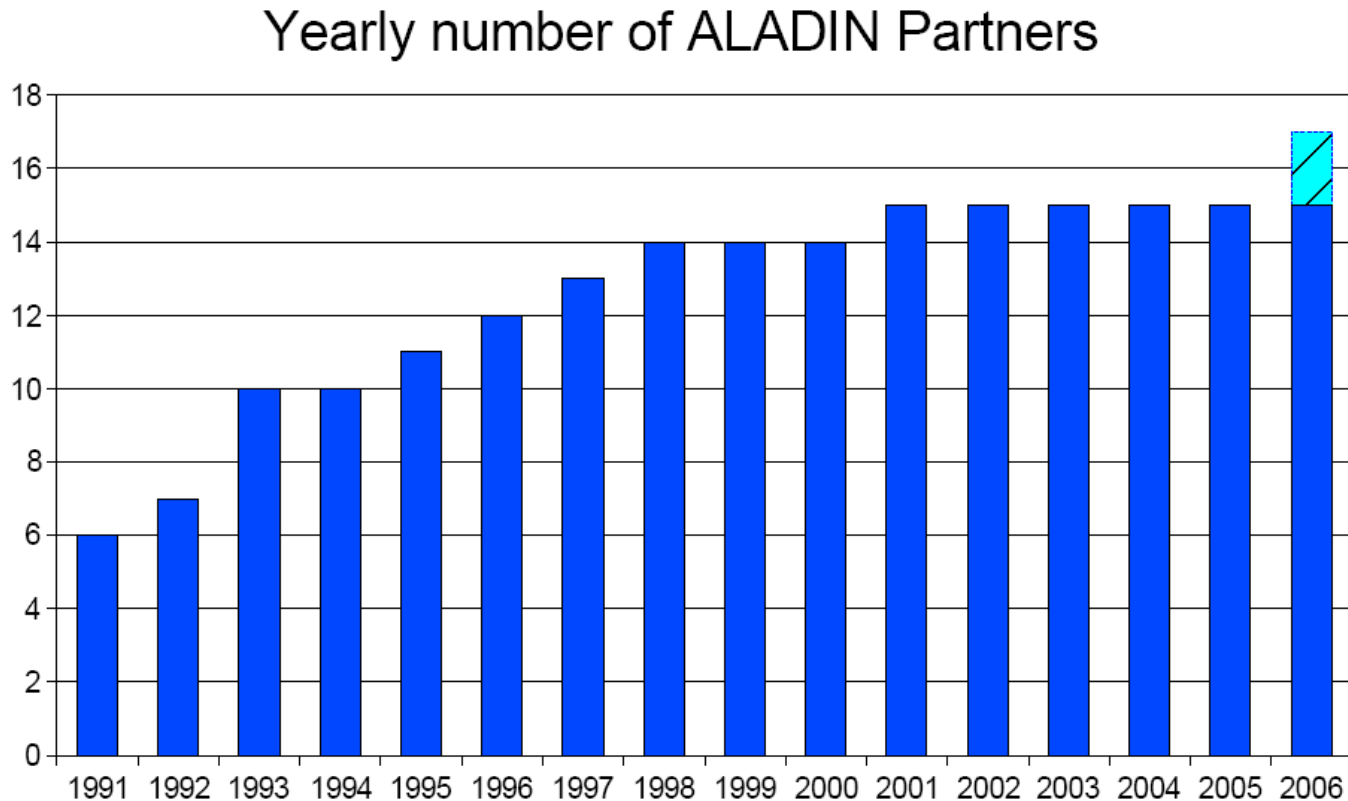
Jean-François Geleyn

ALADIN Programme Manager

Extraordinary General Assembly of ALADIN Partners
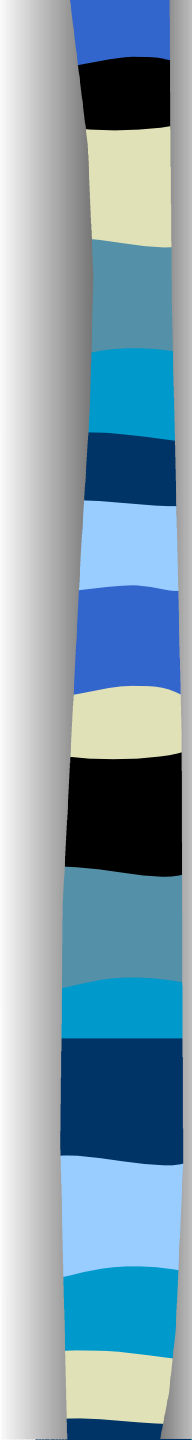*Brussels, Belgium, 23-24/02/2006*

The <u>history</u> of ALADIN

- A matter of step-wise but controlled growth

Yearly number of ALADIN Partners

Year	Partners
1991	6
1992	7
1993	10
1994	10
1995	11
1996	12
1997	13
1998	14
1999	14
2000	14
2001	15
2002	15
2003	15
2004	15
2005	15
2006	15 (+2)

- A matter of trust: Partners held together because nothing impossible was promised, but what was tried nearly always went-on till the end

The current <u>legacy</u> of ALADIN

- Targeted use of 'mobility' to prioritise actions
- Shared work without proprietary rights of actors
- Quick transfer from research to operations (a form of solidarity)
- Priority to computational efficiency and algorithmic backbones within R&D (IFS link)
- A powerful 'model' of (Toulouse based) common maintenance and training
- A principle of 'no hot-line' for operational applications

The <u>model</u> of ALADIN day-to-day work

- Full compatibility with IFS => **I**ntegration-**F**lexibility-**M**odularity-**G**enerality rules

- System specifically organised to be able to run on remote sites from the coupling model, with unique code and file-structure

- No full distinction in terms of teams' organisation between:
  - (i) upstream research;
  - (ii) applied R&D;
  - (iii) operational meteorological constraints;
  - (iv) operational technical constraints.
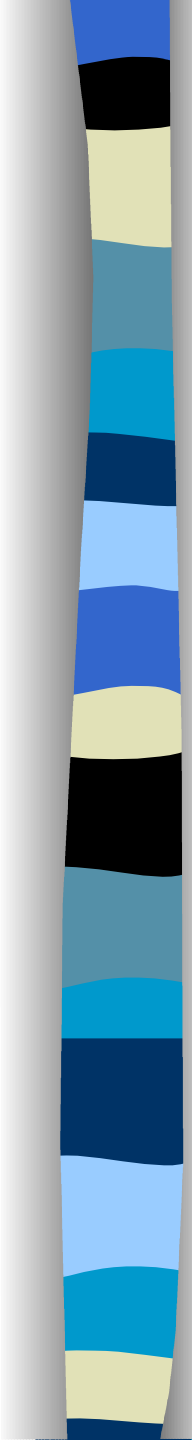
The <u>central issue</u> about ALADIN

- The above-described 'model' of ALADIN development is:

  - Neither fully plug-compatible with the complex internal structure of its 'anchor' NMS (Météo-France);

  - Nor in symbiosis with the more direct management practices of most of its other Partners.

- **Here is both the main strength of ALADIN (when things go well) and its main weakness (when they evolve in a more chaotic way)**
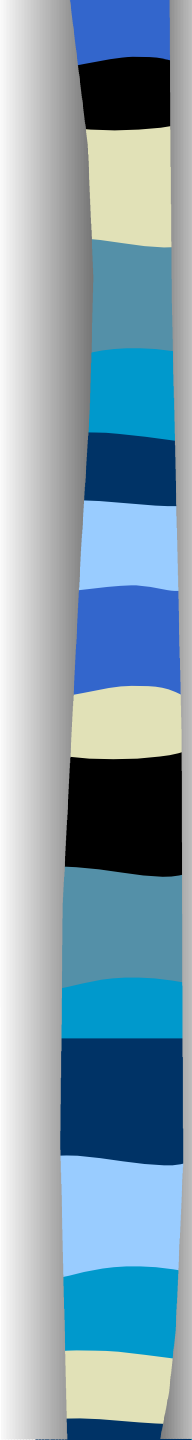
30 years after …

We have   **HIRLAM =>   <= ALADIN**

The link with HIRLAM

- From 29/9/03 (first contact) to 6/12/05 (signing of the agreement), already a fantastic example of controlled decision making in parallel with scientific reflection about:
  - **Reciprocal awareness (out of past parallel efforts);**
  - **Common future interest;**
  - **Existing compatibilities;**
  - **Recipes for turning the remaining challenges into opportunities.**
- In the future steady-state, surely a win-win game:
  - **Each group preserves its identity;**
  - **ALADIN/AROME helps focussing HIRLAM efforts;**
  - **HIRLAM helps lessening the ALADIN 'dilemma'.**

An 'harmonious' future? Why?

- *Because* (courtesy of Peter Lynch):
  - Hɪʀʟᴀᴍ
  - Aʟᴀᴅɪɴ
  - Research (towards)
  - Meso-scale
  - Operational
  - Nᴡᴘ
  - Iₙ
  - Euromed
- We wish to this concept as much success as what the **D**igital **F**ilter **I**nitialisation got !!!

In return and in <u>conclusion</u>

- In French we say *'de l'uniformité naquit l'ennui'.*

- Hence '***HARMONIE***' should not mean boredom.

- For this we need a new declination associated to Peter Lynch's famous DFI quasi-trade-mark**:**
  - *D*on't
  - *F*ilter
  - *I*nitiative