

# COOPERATION BETWEEN ALADIN and HIRLAM PROJECTS

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## PAST EVENTS (1)

- End of September, 2003: First contacts by the HIRLAM Management Group (for mesoscale modelling)
- End of October, 2003: First discussions at the HIRLAM Advisory Committee (HAC)
- March, 2004: Mesoscale model training in Toulouse
- April, 2004: Request from HIRLAM for the license of the ALADIN code for research purposes

## PAST EVENTS (2)

- End of April, 2004: HAC meeting, proposal for full code collaboration with ALADIN, subgroup is established to investigate the realisation of that cooperation
- June, 2004: HIRLAM Council approves the proposal of HAC for full code collaboration
- HIRLAM Advisory Committee meeting (Gothenburg, 21-22 October, 2004): recommendations for the HIRLAM Council

## PROPOSED TIME-SCHEDULE (1)

- The proposals of HAC to be discussed by the Assembly
- Feedback to the HIRLAM Council (15 December, Reading): decision on the HAC recommendations and the amendments provided by the ALADIN Assembly
- First part of 2005: draft of the respective (ALADIN and HIRLAM) MoU-s

## PROPOSED TIME-SCHEDULE (2)

- End of 2005: signature of new MoU-s
- Beginning of 2006: “official start” of the common work under the MoU-s

## PLAN FOR DISCUSSION

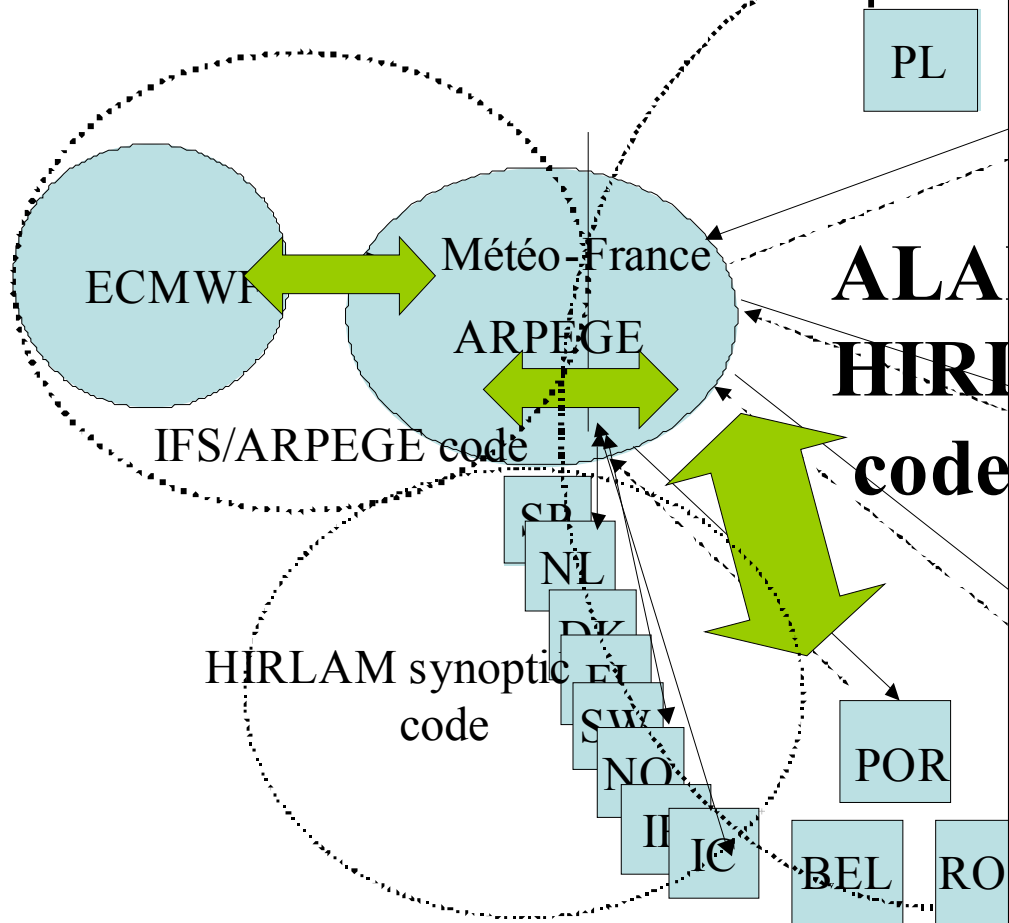
- Presentation of Jeanette Onvlee (HAC chairwoman) and Per Uden (HIRLAM Project Leader)
  - Jeanette: HAC recommendations, pros and cons for the cooperation
  - Per: what was done at HIRLAM until now, scientific perspectives
- After lunch: ALADIN discussion
- Summary, wrap up in the afternoon

- **Scientific benefits:**
  - Expertise and implementation of mesoscale (2-3 km) 4d-var (longer range goal)
  - Assimilation of remote sensed data
  - Predictability (LAMEPS)
- Same software (code) basis
- Larger pool of scientists
- Improved training activities
- Strongest NWP cooperation in Europe
- More chance for EU projects

- Increased level of complexity (code, research, management)
- Hard constraints on code maintenance
- Ownership and commercial aspects to be solved (on MoU level)
- Large countries may feel decrease of power
- Less scientific variability on European level



# HIRLAM - ALADIN Code cooperation

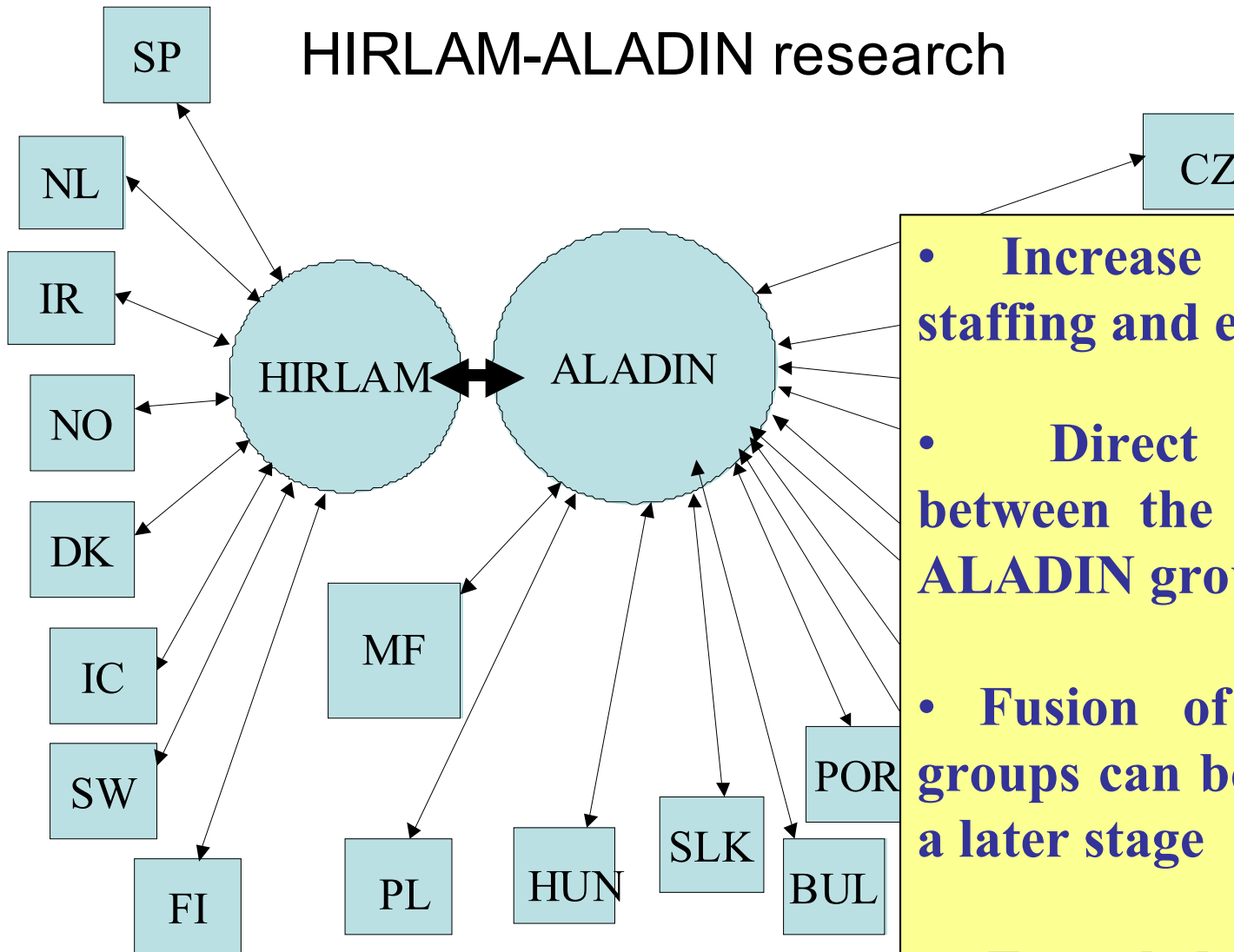


- Full code collaboration
- Formal agreement for full-shared ownership of the common code
- All partners have the right to use the code for a full and complete operational NWP activity
- Rights for the products (commercial issues)
- New common releases at every 6-9 months (as it is recently in ALADIN)



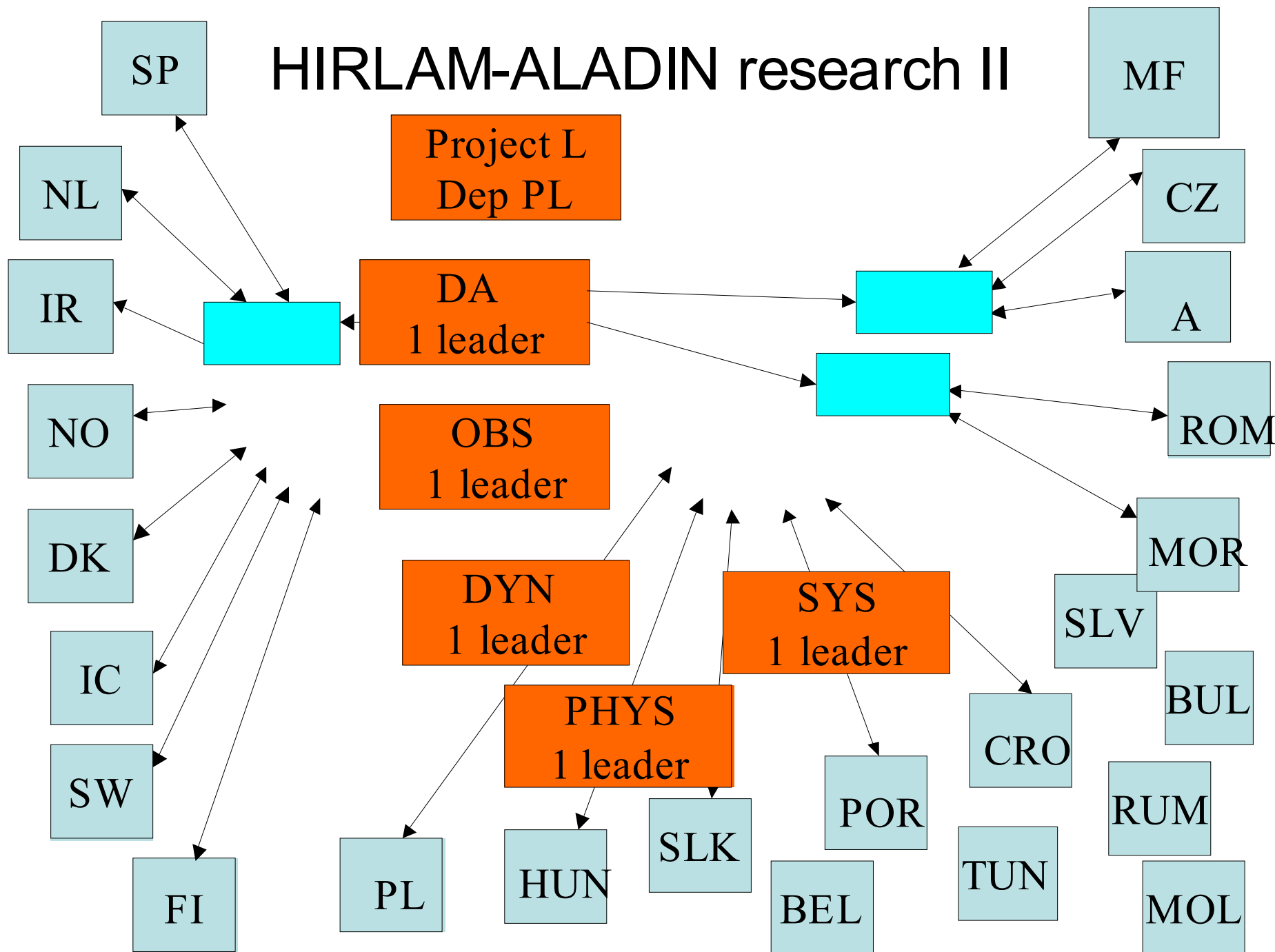
# HIRLAM-ALADIN research

with HIRLAM

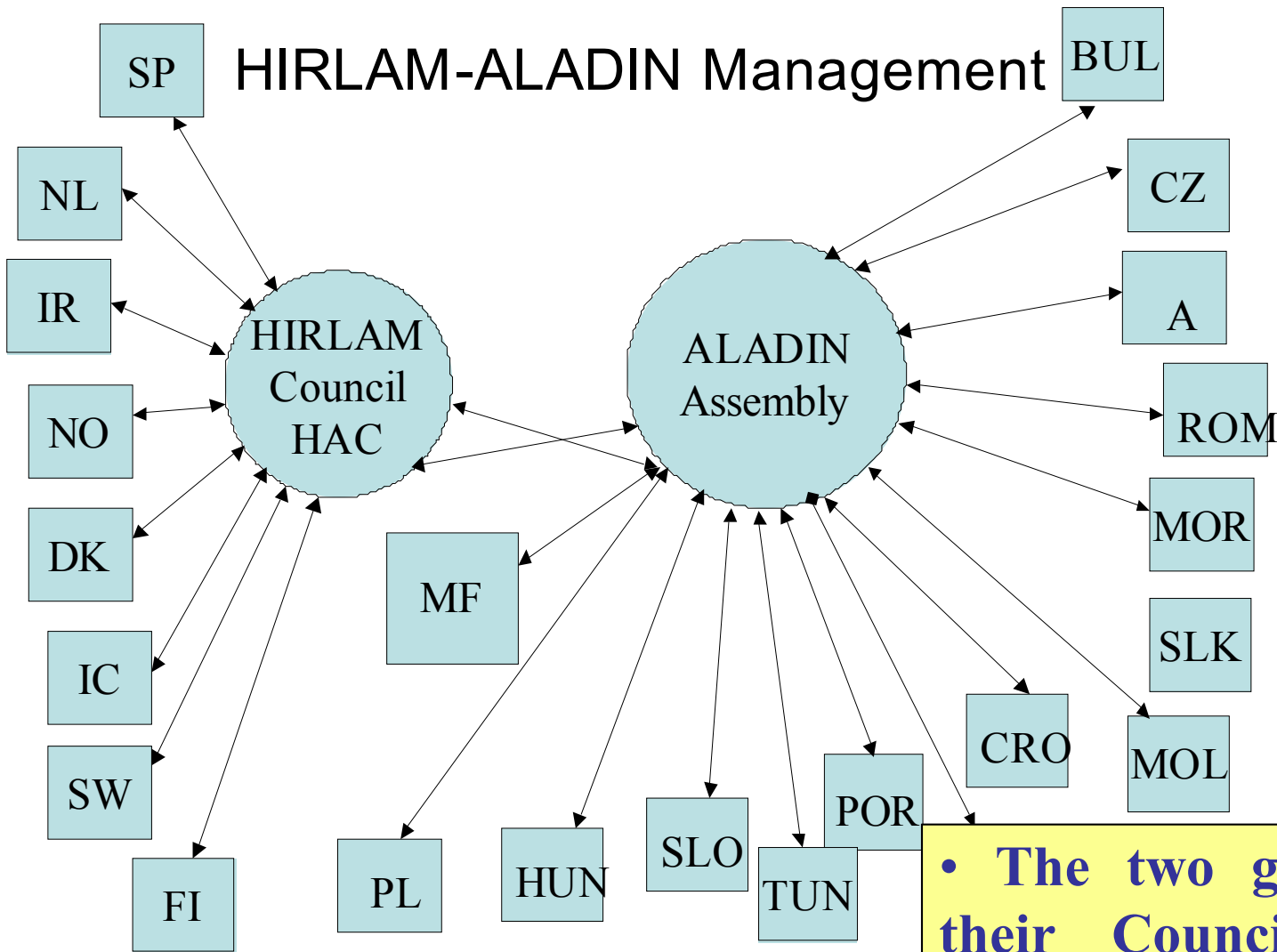


- Increase of available staffing and expertise
- Direct cooperation between the HIRLAM and ALADIN groups
- Fusion of the research groups can be considered in a later stage
- Extended visits and/or core group working together (as it is the practise in ALADIN)

# HIRLAM-ALADIN research II



# HIRLAM-ALADIN Management



• The two groups maintain their Council/Assembly (at least for the start)

• Cross-representation in the Council/Assembly

## DECISIONS TO BE TAKEN (1)

- Full code cooperation: yes or no?
- What are the requirements for HIRLAM?
  - Code maintenance commitment
  - Manpower
  - Ownership rights
  - Commercial usage (revenue sharing)
  - .....
- Scientific planning and control of its fulfillment

## DECISIONS TO BE TAKEN (2)

- Organisation, representation (MoU issues, HIRLAM Council)
  - Nomination of single contact point
  - Body: some members, LACE, CSSI.....