

Late applications to join the collaboration

Requests to join the collaboration received after submission of the proposal:

- Sintef (Industrial partner)
- INFN/University Perugia

Proposal: Accept both requests.

Presentation of the proposal to the LHCC:

Proposal reviewer will be Juan Jose Gomez Cadenas.

14/15 March: Discussion of our proposal in an internal meeting of the LHCC.

15/16 May: Open presentation of the proposal to the LHCC by collaboration spokesperson(s).

Recommendations from LHCC:

- **In a discussion with Mario Calvetti, the Chairman of the LHCC, we got the following comments and recommendations:**
- **LHCC has a very positive attitude towards the proposal (acceptance is very likely), however we should consider the following points:**
 - There are many institutes and some of them are only participating with one person. Be careful to include only institutes, which are contributing actively to the work.
 - Give an outline of the collaboration budget. What are you expecting from CERN and what would the collaboration institutes contribute?
 - Give a more detailed work plan for the different sub-projects.

Status of industrial partners (IP) in RDXX

- Should IP be listed as authors on publications ?

Proposal: **Yes**

- Should IP be represented in Collaboration Board ?

Proposal: **No**

CB discusses and decides about scientific, financial and personnel related issues. Interference with industrial/financial interests not excludable.

If yes:

- Should IP be allowed to vote ?

Proposal: **No**

- Should IP contribute to Common Fund ?

Proposal: **No**

Decision about election procedures

Proposal:

Elect

- chairperson of CB (+deputy)
- CERN contact person,
- Budget Holder

by open voting (only CB members + proxies)

- Also decisions about application of new institutes, structure of collaboration, Common Fund etc. are taken by open voting.

Elect

- Spokesperson + deputy or Co-spokesperson

in secret ballot vote (only CB members + proxies)

Election of the chairperson (+deputy) of the Collaboration Board

- The CB chairperson chairs the meetings of the CB
- He/she writes agenda of the meetings
- He/she makes sure that the internal regulations of the collaboration are implemented and followed
- The deputy acts as secretary of the CB and is responsible for writing and circulating the minutes.

Proposed candidates for CB chairperson:

1. _____
2. _____
3. _____

Proposed candidates for CB deputy chairperson:

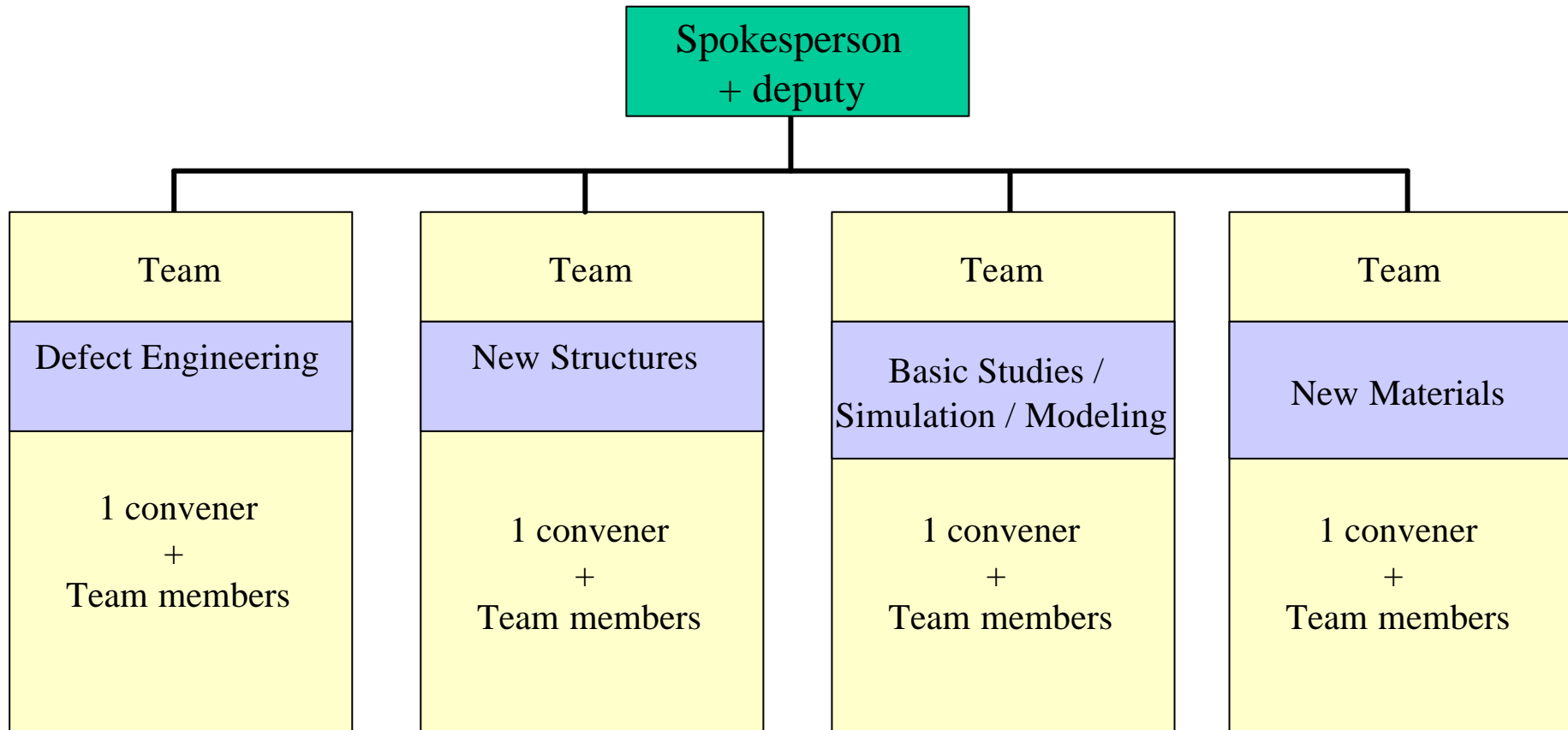
1. _____
2. _____
3. _____

Recommendations of the “4 wise men” regarding the collaboration structure:

- Collaborators should be able to vote via a proxy.
- Set up the collaboration in such a way that you can change the structure after one year.
- All positions should initially be elected for one year.
- Would be good to have a North American Colleague in the collaboration top-level management.
- Co-spokespersonship of an American and European colleague would be one way.

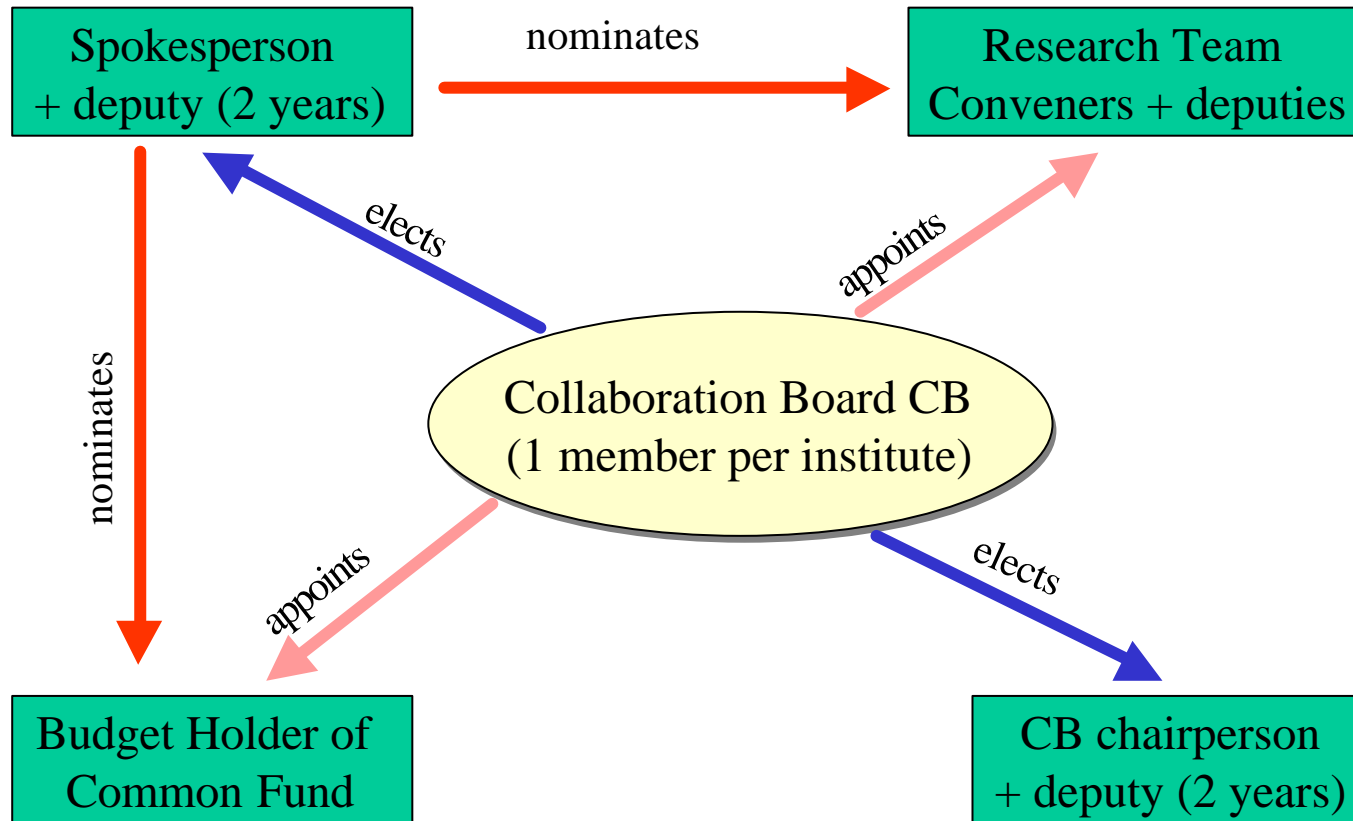
Proposal: Organisation of the Research Work

- Subdivide the collaboration into 3-5 teams, for instance ...

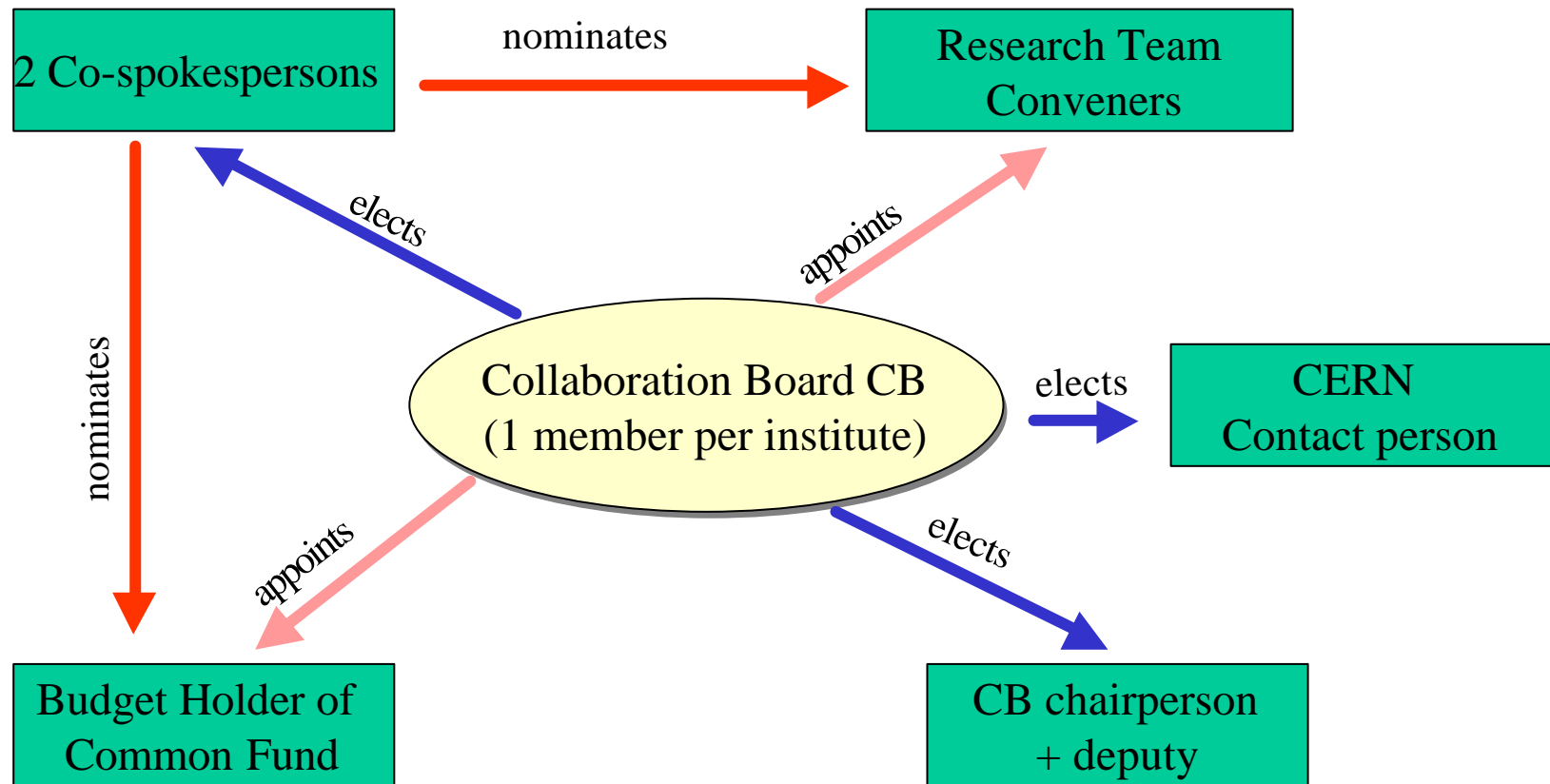


Topics/tasks to be defined later (discussion planned later today).

Proposal: Organisation of the Collaboration. (Nov. 2001)



Proposal: Organisation of the Collaboration. (Feb. 2002)



All persons are elected/nominated for an initial period of 1 year!
They can be re-elected for an additional period of 2 years.

Proposal from 6 North American institutes concerning the collaboration structure

(However: Fermilab is not (yet) member of collaboration)

Key points:

- 3 co-spokespersons
- each co-spokesperson represents a geographic region (NA, Europe...)
- Most of the R&D work of that region may be coordinated by the co-spokesperson

Further Proposals ?

Discussion and decision of election procedure for spokesperson(s)

Proposal

- Elect spokesperson and deputy / Co-spokesperson in separate votes
- Every CB member (or proxy) has 2 votes
- Election is carried in two iterations

1st iteration: Give your 2 votes to 1 candidate or distribute the 2 votes on 2 candidates

The 2 candidates with the highest number of votes are kept for 2nd iteration

2nd iteration: Give your 2 votes to 1 candidate or distribute the 2 votes on 2 candidates

The candidate with the highest number of votes is Spokesperson

Repeat full procedure for deputy / Co-Spokesperson

Recommendations of the “4 wise men” regarding the spokesperson(s):

The candidates are:

- Marina Artuso (Syracuse University, USA)
- Mara Bruzzi (INFN/University of Florence, Italy)
- Cinzia Da Via' (Brunel University, London, U.K.)
- Claude Leroy (Montreal University, Canada)

North American candidates should be able to communicate by telephone during elections.

Spokesperson(s) should be initially elected for one year.

Election of Contact Person at CERN.

Proposed candidates for the Contact Person

1. _____
2. _____
3. _____

Discussion and Decision about Common Collaboration Fund

Proposal:

Set up a low volume Common Fund to which each institute contributes every year a minimum amount.

The Common Fund may be used for the organization of collaboration workshops, rental costs (electronics pool), or other specific activities of common interest.

For project related investments, like processing of common test structures or purchasing of special equipment, additional contributions may be requested from the institutes participating in the concerned project.

Every collaborating institute pays a yearly contribution to the common fund.

Initial yearly contribution: 2 kCHF / institute

In-kind contributions and reduced contributions for economically weak institutes can be accepted by the CB.

The Spokesperson and the Research Team Conveners propose the annual budget (main investments and other expenditures), which is endorsed by the CB.

Budget Holder for the Common Collaboration Fund

Proposed candidates for the Budget Holder

1. _____
2. _____
3. _____

POLICY CONCERNING PUBLICATIONS AND PRESENTATIONS

Proposal:

The results of the research work of the RDXX collaboration can be published in the following forms:

1. Regular status reports requested by the LHCC. All members of the collaboration are authors. The members of the CB maintain the list of authors from their institute.
2. Publications in scientific journals.
 - Reviews covering the research programme of the whole collaboration. All members of the collaboration are authors.
 - Reviews and specialized articles describing the research work of one or several research lines. The convener(s) discuss(es) and, if required, decide(s) on the list of authors.
 - Internal RDXX notes. The convener(s) discuss(es) and, if required, decide(s) on the list of authors.

As a general rule, all publications should be discussed with the team conveners prior to submission.

The results of the research work of the RDXX collaboration can be presented at workshops and conferences as

1. Contributed talks. The speaker discusses with the conveners the abstract. Written proceedings are treated like normal publications.
2. Invited talks. In case the invitation is received by the collaboration, the choice of the speaker is the responsibility of the spokesperson in agreement with the conveners. Written proceedings are treated like normal publications.

All publication should carry the text “Work performed in the framework of the RDXX collaboration”

Milestones

1st year

- Design and fabrication of common test structures
- Irradiations of simple and segmented structures (oxygenated and non-oxygenated) up to 10^{16} cm⁻² n, p and very high γ and e doses
- Agreement on post-irradiation detector handling and measurement procedures
- Workshop and 1st status report

2nd year

- Full comparative characterization of simple and segmented structures with oxygenated and non-oxygenated silicon.
- Improved understanding of the “proton/neutron puzzle” and the microscopic mechanisms leading to the beneficial effect of oxygen in silicon.
- Design and fabrication of segmented structures using dimered and CZ silicon and other semiconductor materials
- Design and fabrication of thin and 3D detectors of different resistivity
- Workshop and 2nd status report

Milestones

3rd year

- Full comparative characterization of above described devices including fast electronics
- Workshop and final report, containing recommendations for:
 - detector material
 - detector structure
 - operational conditions
 - further research work

Discussion on topics / tasks for teams

Preliminary team topics as listed in the proposal:

Defect Engineering

New Structures

Basic Studies /
Simulation / Modeling

New Materials

Proposal:

The research teams should be formed before the presentation of the proposal to LHCC (most likely 15/16 May).

The spokesperson(s) will nominate the team conveners. They will be appointed by the CB in its next meeting.

Discussion on topics / tasks for teams

Team 1	Team 2	Team 3	Team 4
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