



POLITECNICO
DI TORINO



Quality management @ DISAT

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The staff

- ✓ **Quality Assurance Manager** (selected by the Head of the Department): prof. Davide Fissore & prof. Dario Daghero
- ✓ **Working group** for data collection and preparation of the first draft of the documents required for quality assurance policies.

These documents are then evaluated and approved by the Department board.

The group is constituted by 6 people, 1 for each macro-research area of DISAT



The goals of the evaluation process

- ✓ **New spaces for labs/rooms** available in the Department are distributed among the various research groups on the basis of the evaluation of some quality parameters.
 - ✓ POLITO distributes, every year, a certain amount of **money** to each Department on the basis of the scientific production of each Department. This money is distributed among the members of the permanent academic staff on the basis of some quality parameters.
 - ✓ Also **new positions (for temporary and permanent staff)** are distributed among the various research groups according to their quality parameter.
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New spaces for research

- ✓ The algorithm takes into account both scientific publications (50%) and the grants (50%) obtained both from EU, Ministry of Research and University, Private companies, etc. etc.
 - ✓ With respect to publications, DISAT evaluates ONLY papers appeared on journal SCOPUS/WOS indexed, and book chapters.
 - ✓ With respect to papers appeared on scientific journals, according to the subject category of the journal, a different evaluation is given according to the journal rank (Q1, Q2, etc.)
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New spaces for research

- ✓ In the evaluation process, Q1 papers are evaluated much more than the others (Q1: 6 points, Q2: 3 points, Q3: 2 points, Q4: 1 points), aiming to «stimulate» DISAT researchers to publish on high quality journals.
- ✓ For papers with more than one authors, the contribute of each DISAT author (temporary and permanent staff member) is calculated using the following equation:

$$\frac{P}{N^{N-1}}$$

where P is the score of the journal and N is the total number of the authors, and then all the contributes are summed up (for $N > 15$, $N=15$).



New spaces for research

- ✓ For book chapters, the same criteria used by POLITO in the evaluation process are used. Only books with ISBN are considered, and only in case their content is not didactic.
 - ✓ The score obtained by each paper is dependent on both the relevance of the Publisher, and the «size» of the paper (= number of pages), and the language.
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New spaces for research

- ✓ When all the scores obtained by each research group on the basis of the scientific production are calculated, they are normalized on a 50 basis.
 - ✓ Similarly, when all the grants obtained by each research group have been calculated, they are normalized on a 50 basis.
 - ✓ All data are available to the leader of the research groups (that can share them with the colleagues), in such a way that they can check them, and evaluate **strengthness** and **weakness**.
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New spaces for research

- ✓ Previous calculations are repeated every 3-4 years in such a way that it is possible to monitor if the space (labs and rooms) available for each research group is correspondent to the quality of the research carried out in the groups, thus guaranteeing (or attempting to guarantee) the most rational distribution of these resources.
 - ✓ These calculations are also carried out when new spaces are available to DISAT (from POLITO).
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«Publication price»

- ✓ This price (money) is distributed by POLITO among the various departments. For DISAT it is about 150-200 k€ per year. This price is calculated by POLITO according to its bibliometric criteria.
 - ✓ DISAT distributes the price among the permanent staff according to its own bibliometric criteria, aiming to emphasize the score attributed to Q1 publications.
 - ✓ Bibliometric criteria are the same previously illustrated, with the only difference that the scores obtained by the members of the research groups are no longer summed up, as the money is distributed individually.
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«Publication price»

- ✓ This price is NOT an extra salary, but it can be used for research activity etc.
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New positions for staff members

- ✓ When POLITO makes available new positions for staff members, these resources are distributed among the Institutes that constitutes DISAT according to the same algorithm used for the distribution of the space for labs and rooms.
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