

- Cologne houses the space technology management, the materials in space research facilities and the Space Station User Support Center (under development); in addition it is the administrative center of DFVLR, and the home of DFVLR's work in flight and space medicine and biology.
- Quite dispersed are the materials and design research facilities of DFVLR, which are almost hidden in other programs, but due to their abilities form an asset of their own.

DFVLR has an annual budget of about 200 Million \$, and there are almost 4000 employees of all levels. Aircraft orientated tasks make up for almost half of our program while space orientated activities today make up for 35 %, with a strong tendency to grow; non-nuclear energy and new technologies take up 20 % of our work. Roughly 25 % of our budget stems from government (15 %) and industry (10 %) contracts. Besides the main programs there are a few activities with a particular high technology transfer potential: Deep diving medicine, vehicle technology and vehicle dynamics simulation, transportation systems analysis, robotics, materials treatment by high powered lasers, data processing, combustion technology, household energy supply, noise control and last not least the management of a research program towards the improvement of work conditions, environment and health with a total budget of more than a hundred million dollars.

Our organizational structure is characterized by 6 research departments plus several supporting and administrative departments, which do have R&D interests of their own. The organizational layer beneath that has 45 research institutes and divisions. It is obvious, that an organization as diversified as this cannot be operated and controlled if it does not have very strong connections with the users of the results produced, connections on all levels and of many kinds. In the following parts of my paper I give a general view of the typical connections and then will comment a few selected examples of more recent ways of cooperations with high efficiency.

The workprogram of DFVLR and the institutional development is influenced strongly by the shown in slide 6. The two groups with the strongest influence on DFVLR programs are the government departments and the national industry. Due to the close connection of DFVLR's work with year to year programs there are contacts with these on all levels, from the supervisory board at the very top down to the single engineer or scientist; on the government side they exchange plans and information with the relevant departments, from the secretary down to the officers responsible for single government R&D, transport or economic programs. The same situation is given on the industry side on which contacts range from national associations of industry down to engineers and scientist in laboratories and pre-production R&D. Looking