

1. THE AUTHORS' PROPOSAL

- To set up, in the framework of FIG, a joint forum of all professionals involved in project planning, coordinated by surveyors.



The Necessity for Interdisciplinary Cooperation as a Part of FIG Activity

Joseph KRAUS, Joseph FORRAI, Israel



3. THE CHARACTERISTICS AND COMPONENTS OF A MODERN DEVELOPMENT PROJECT

- Building and planning technology has made huge strides in the past 20 years.
- Projects have become more expensive.
- Projects require experts in many fields (attorneys, economists, urban planners and many others, supervised by an administrative staff behind the project).
- In preliminary investigations, the land is inspected to gauge the possibilities of what can be done with it (environmental, geological and geotechnical tests, economic feasibility studies, cadastral preparations).



2. THE AUTHORS' DUAL GOAL

- To create close ties between the various planners while understanding the needs of each other.
- To achieve *greater prestige* for the status of the licensed surveyor among the planning staff.



4. THE SURVEYOR'S KEY ROLE

- Surveyors are pivot part of the planning and implementation staff.
- The surveyor is a planning staff member who accompanies the project from its inception through its implementation on the ground until its registration in Land Registry.
- That is the reason, that the surveyor must be knowledgeable of the various laws, regulations and standards.
- Surveyors should coordinate projects before their implementation, making superposition of all the various levels of planning for ensuring that there are no contradictions between them.



3. THE CHARACTERISTICS AND COMPONENTS OF A MODERN DEVELOPMENT PROJECT (cont.)

- In central stage of a project, the approval of the various building committees has to be achieved.
- Various planners then enter the picture: architects, road and traffic engineers, surveyors, landscape planners, infrastructure engineers, etc.
- Each of these disciplines has their own laws and ordinances, and there is no one body today which is responsible for coordinating between them.



5. THE SURVEYOR'S STATUS AMONGST INTERDISCIPLINARY PROFESSIONALS

- Surveyors are important and decisive in implementing hi-tech technologies (GIS and various modern databases in the cadastre, geodesy, surveying and data management).
- The academic and professional requirements of the licensed surveyor are not less than those of other hi-tech professionals.
- The central involvement of the licensed surveyor in the development project can supersede that of all the other involved professionals.

Joseph Kraus and Joseph Forrai
The Necessity for Interdisciplinary Cooperation as a Part of FIG Activity



3. THE CHARACTERISTICS AND COMPONENTS OF A MODERN DEVELOPMENT PROJECT (cont.)

- The result is that each expert acts according to the established standards and legal requirements of his discipline in disregard of the requirements of other planners. We are aware of conflicting regulations between the various disciplines and even conflicting regulations within one discipline.
- There is a clear need for correlation, uniform standards and legislation among all the disciplines.

Joseph Kraus and Joseph Forrai
The Necessity for Interdisciplinary Cooperation as a Part of FIG Activity



6. THE CONSEQUENCE

- To reinforce surveyors' status and to give it the prestige it deserves, it is necessary to create a forum which will interact with relevant international and national, governmental and private bodies of other related disciplines.
- FIG background is vital for the creation and the successful operation of such a forum, which will increase awareness of the central role and the basic importance of licensed surveyors, and will improve surveyor's position and reputation.

Joseph Kraus and Joseph Forrai
The Necessity for Interdisciplinary Cooperation as a Part of FIG Activity



5. THE SURVEYOR'S STATUS AMONGST INTERDISCIPLINARY PROFESSIONALS (cont.)

- *Nevertheless, the licensed surveyor does not receive the prestige that he deserves.* Most clients still believe that the surveyor is a simple mapmaker who does nothing beyond surveying, and they think: "we can manage without a surveyor".

Joseph Kraus and Joseph Forrai
The Necessity for Interdisciplinary Cooperation as a Part of FIG Activity



THANK YOU FOR YOUR ATTENTION

Joseph Kraus and Joseph Forrai
The Necessity for Interdisciplinary Cooperation as a Part of FIG Activity

