The Reason of Changing The Name to “Geomatics”

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Coming from Istanbul Technical University (ITU)-TURKEY
The name of our department has changed in August 2009.

http://geomatik.itu.edu.tr/

In Turkey the Council of Higher Education (YÖK) is the official authority assigning the names of departments.
“Geomatics” a new Paradigm

Geomatics comes from the French word “géomatique”. Its roots are “geo” (Earth) and “informatics” (information + automation + “ics” which is the accepted form for the name of sciences). Another description of Geomatics was derived from two words Geodesy+Geoinformatic. In the Latin language, the Geomatics correspond to Geomatica.

The Geomatics was defined in the Oxford Dictionary as;

“Geomatics: The mathematics of the earth; the science of the collection, analysis, and interpretation of data, especially instrumental data, relating to the earth’s surface”.

It was Laval University Surveying Department (Canada), in 1986, developed the first academic program in GEOMATIC in the world in replacement of its Surveying program, the names of the Department and the Faculty. So, Michel Paradis is the father of this modern geomatics paradigm.

Geomatics is a Result of millennia old professional and scientific expertise

Surveying; ~5000 years old profession
Geomatics is a Result of Changing Contexts of Science and Technology

Changing Modes of Knowledge Making in the Last Age

<table>
<thead>
<tr>
<th>Year</th>
<th>Type of knowledge</th>
<th>Organizational form</th>
<th>Dominant values</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900</td>
<td>&quot;Little Science&quot;</td>
<td>disciplinary research groups</td>
<td>academic</td>
</tr>
<tr>
<td>1940s</td>
<td>&quot;Big Science&quot;</td>
<td>multidisciplinary institutions</td>
<td>bureaucratic</td>
</tr>
<tr>
<td>1950-1970</td>
<td>&quot;Technoscience&quot;</td>
<td>transdisciplinary ad hoc projects</td>
<td>entrepreneurial</td>
</tr>
</tbody>
</table>

- Geodesy
- Photogrammetry
- Cartography
- Remote Sensing
- Mathematics
- Physics
- Geophysics
- Geography

... Transition mode

Geomatics is a transdisciplinary mixture of all surveying & mapping related sciences.
We consider the term Geomatics:

- as an accumulated professional knowledge and expertise parallel to the history of science and civilization.
- as an evolution in the knowledge making modes from individual scientific disciplines to technoscience.
- as a transdisciplinary mixture of all the surveying and mapping related doctrines.

This is the reason why we have changed the name of our department.

Higher Education on Surveying & Mapping in TURKEY

**YTU-YILDIZ**
Technical University
(1949)

**ITU-ISTANBUL**
Technical University
(1969)

**OMU-19 MAYIS**
University
(1955)

**AKSAreff**
University
(2009)

**ERCO**
University
(1995)

**SU-SELCUK**
University
(1973)

**HARRAN**
University
(1995)

**HARRAN**
University
(1995)

**HARRAN**
University
(2009)

**SU-SELCUK**
University
(1973)

**HG**
University
(2010)

**GAZİOSMANPAŞA**
University
(2010)

**OKA**
University
(2010)

**GAZİOSMANPAŞA**
University
(2010)

**MUH-KEPEFE**
University
(2009)

**COMU-ÇANAKKALE**
University
(2010)

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Thank you for listening.