

## PARTNER PROFILE FOR H2020 PROPOSALS

### JEODIJITAL BILISIM TEKNOLOJI MADENCILIK INSAAT TAAHUT SANAYI VE TICARET LIMITED SIRKETI

PIC Number: 997190750



#### KEYWORDS:

Earth observation, remote sensing, natural and mineral resources, environment, energy, geological & hydrogeological modelling services, capacity building.

#### WHO WE ARE (max 100 Words):

JEODIJITAL is a downstream value-added services company providing earth observation and geospatial technologies products and services to enhance and support intelligent decision making processes in the management of natural and mineral resources and environment. Established in 2000, we have become a leader in the application of remote sensing and related technologies in the exploration and management of earth resources. One of the main objectives of JEODIJITAL is to introduce emerging high-technologies and know-how to technology users both at the government and industry in support of the decision making processes in the management of Earth's natural resources and monitoring of the environment.

Since establishment, JEODIJITAL has been expanding its area of activities offering a wide spectrum of services - operating in almost all fields: environmental protection, natural resources management, urban and regional development, education, emergency situations, defense and security, and social issues. These are the directions where JEODIJITAL has achieved significant results demonstrating efficiency of Earth-Observation and related Geo-Information technologies and its applications. The managing and research director of the company, Dr. Hayati Koyuncu, has more than 20 years of experience in general earth scientific research and application of Earth-Observation (EO), 3D geological modelling and mapping services.

#### AREAS FOR R&D COLLABORATION / H2020 INTERESTS

SPACE-EO-2019 Calls

Especially of:

DT-SPACE-01-EO-2018-2020 (Copernicus market uptake)

LC-SPACE-04-EO-2019-2020 (Copernicus evolution)

LC-SPACE-05-EO-2019 (Copernicus Evolution)

DT-SPACE-06-EO-2019 (International Cooperation Copernicus)

JEODIJITAL may contribute to above selected topics in terms of research and capacity building activities as a project partner and/or coordinator.

#### MAIN ACHIEVEMENTS / CORE COMPETENCIES (including main products, awards achieved)

- Earth observation, remote sensing, natural and mineral resources, environment, energy, geological & hydrogeological modelling services, capacity building.
- The managing and research director of the company, Dr. Hayati Koyuncu, has more than 20 years of experience in general earth scientific research and application of Earth-Observation (EO), 3D geological modelling and mapping services.

- Dr. Koyuncu and JEODIJITAL experts have participated in numerous national and a few international projects and duties involving earth observation and remote sensing services.
  - Bayari, C.S., Ozyurt, N.N., Oztan, M., Bastanlar, Y., Varinlioglu, G., Koyuncu, H., Ulkenli, H., Hamarat, S., 2010, Submarine and coastal karstic groundwater discharges along the southwestern Mediterranean coast of Turkey Hydrogeology Journal, Pub.Online: 26
  - Koyuncu, H., 2002, The Value of High Resolution Imagery for Urban Applications (in Turkish), 3rd International Symposium Remote Sensing of Urban Areas Proceedings, 11-13 June 2002, Istanbul, p. 85-91
  - Koyuncu, H., Demir, C., 2001, High resolution satellite imagery: Infrastructure and Technology (in Turkish) 1st International Space Symposium ?Worldwide activities and Turkish Potential, 30-31 May 2001, Ankara, p. 113-122
  - Bayari, C.S., Kazancı, N., Koyuncu, H., Caglar, S.S., Gokce, D., 1995, Determination of the Origin of the Waters of the Koycegiz Lake, Turkey, Journal of Hydrology, 166, p. 171-191
  - Koyuncu, H., 1994, Remote sensing of natural resources: Current situation and new trends, and MTA Remote Sensing Center (in Turkish), 47th. Turkish Geological Congress Bulletin, 21-25 Feb.1994, Ankara Turkey, No. 9, p.226-232
  - Koyuncu, H., 1992, Spectral Remote Sensing of Anomalous Mineralogy Induced by Hydrocarbon Migration and Uranium Mineralization: San Rafael Swell, Utah, USA, in European International Space Year Conference Proceedings, Munich, Germany, 30 March-4 April, p. 455-460
  - Gunay, G., Johnson, A., Koyuncu, H., El Khatib, H, 1991, Hydrogeological Processes in Karst Terranes (IAHS publication No: 207), Proceedings of the International Symposium and Field Seminar on Hydrogeologic Processes in Karst Terranes, 7-17 October 1990, Antalya, Turkey (Assistant Editor).
  - Winkler, S.B., Dickerson, R.P., Barton, H.N., McCafferty, A.E., Grauch, V.J.S., Koyuncu, H., Lee, K., Duval, J., 1990, Mineral Resources of the San Rafael Swell Wilderness Study Areas (including the Muddy Creek, Crack Canyon, San Rafael Reef, Mexican Mountain, and Sids Mountain Wilderness Study Areas), Emery County, Utah: US Geological Survey Bulletin 1752 , p. 56

## **REFERENCE PROJECTS:**

### **Selection of European/International projects**

JEODIJITAL was a partner in the SEOCA: GEO capacity building initiative in Central Asia project, which was submitted to the call topic: ENV.2009.4.1.4.1. - CSA-SA and selected to be funded.

### **Selection of other projects**

JEODIJITAL contributed in the following selected projects relevant to SPACE, EO and Environment:

- 2010-2012 Researcher; SEOCA: GEO capacity building initiative in Central Asia; FP7-ENV-2009-1 COORDINATION AND SUPPORT ACTIONS Project. European Commission
- 2010-2011 Consultant Researcher; Remote Sensing of off-shore and on-shore hydrocarbon exploration capacity building and pilot studies. Turkish Petroleum Corp.
- 2007 Contractor, Pilot study on the detection and mapping of natural oil-seepages using SAR images in the off-shore of Amasra, Black Sea, Turkey. Turkish Petroleum Corp.

- 2004-2010 Hydrogeologist/Expert; Seyfe Lake Wetland Management Plan, Gala Lake Wetland Management Plan, Honaz Mountain National Park Long Term Development Plan, Altindere National Park Long Term Development Plan, Kackar National Park Long Term Development Plan Ministry of Environment and Forestry, Turkey
- 2005 Remote Sensing Expert; Submarine and coastal karstic groundwater discharges along the southwestern Mediterranean coast of Turkey: Patara-Tekirova Pilot Project Turkish Research Council of Turkey (TUBITAK)
- Several more projects involving satellite imagery and geospatial data for mineral exploration, urban applications - pervious impervious mapping, bathymetric and pollution analysis at coastal areas and wetland mapping etc.

### **WHAT MAKES US A GOOD PARTNER**

Considering our extensive experience in remote sensing imagery data products and applications and as a local/regional player in Earth Observation, we are capable of collaborating and undertaking local and international projects related to Environment especially of GEO. Our specialty and services range from providing turn-key GIS, EOS and RS analysis systems designed and optimized to the needs of the client to research and application driven project data handling consultancy.

### **GLOBAL NETWORKS and CLUSTERS**

JEODIJITAL is proud to be associated with world leading partners in Earth Observation a data and software providers including USGS, HARRIS Geospatial Services, Trimble Geospatial, and main satellite imagery data providers.

One of the main objectives of JEODIJITAL is to introduce emerging EO and Geospatial technologies and know-how to technology users both at the government and industry in support of the decision making processes in the management of Earth's natural resources and monitoring of the environment.

### **OTHER INFORMATION:**

<b>Name of the organization:</b> JEODIJITAL BILISIM TEKNOLOJI MADENCILIK INSAAT TAAHUT SANAYI VE TICARET LIMITED SIRKETI	<b>Contact person:</b> Hayati Koyuncu
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<b>Number of researchers:</b> 2	<b>Tel:</b> 00903122875378
<b>Number of employees in total:</b> 3	<b>Web site:</b> www.jeodijital.com
<b>Working languages:</b>	English, Turkish