



INTERNATIONAL MAP YEAR 2015–2016_

Hrvatsko kartografsko društvo

i

Geodetski fakultet Sveučilišta u Zagrebu

organiziraju 12. savjetovanje

s međunarodnim sudjelovanjem

Kartografija i geoinformacije

kojim se obilježava

Svjetski dan GIS-a

u Zagrebu, 16. - 18. 11. 2016.



INTERNATIONAL MAP YEAR 2015–2016_

Croatian Cartographic Society

and

the Faculty of Geodesy of the University of Zagreb

are organizing the 12th conference

with international participation

Cartography and Geoinformation

commemorating the

World GIS Day

in Zagreb, November 16–18, 2016

Uvodne riječi

Hrvatsko kartografsko društvo organiziranjem ovoga savjetovanja u Međunarodnoj godini karata (International Map Year – IMY) želi pridonijeti razvoju geoinformatike, kartografije, geografije i srodnih područja s posebnim naglaskom na obilježavanje svjetskoga dana GIS-a i različite primjene GIS-a u proučavanju georaznolikosti. Širok raspon ponuđenih tema i poznati pozvani predavači jamče zanimljivost izlaganja i suvremenost pristupa problematici.

Iako se zaštita prirode uglavnom temelji na zaštiti živih organizama i ekosustava, zaštita geoloških i geomorfoloških prirodnih vrijednosti ima dugu tradiciju i svakim danom postaje sve zanimljivija. Zapisi u stijenama omogućuju nam da zavirimo u prošlost Zemlje; fosilni ostaci biljaka i životinja uče nas o razvoju živog svijeta kroz milijune godina; bore i rasjedi pričaju nam o zbivanjima u Zemljinoj kori; minerali nas iznenade kristalizacijom u pravilnim geometrijskim oblicima, prekrasnim bojama i iznimnim sjajem; vulkani i danas pokazuju silinu i prevrtljivost užarene Zemljine unutrašnjosti.

O geološkoj podlozi ovisi kakvo će biti tlo, gdje će se pojaviti voda, kamo će teći potoci i rijeke, gdje će se izdići planine, a gdje nastati špilje i jame. Zaštitom geobaštine čuvamo najreprezentativnije djeliće Zemljine povijesti stare 4,5 milijardi godina, divimo se silama prošlosti i učimo za budućnost.

Georaznolikost je raznovrsnost pojava poput stijena, minerala, fosila, reljefa i procesa koji su stvarali te posebnosti kroz Zemljinu prošlost. Snalaženje u svemu tome omogućuju nam GIS, geoinformacije i kartografija.

Introduction

By organizing this conference in the International Map Year (IMY), the Croatian Cartographic Society wishes to contribute to the development of geoinformatics, cartography, geography and associated fields with special emphasis on commemorating the World GIS Day in studying geodiversity. A wide range of themes offered and renowned invited lecturers guarantee interesting lectures and a contemporary

approach.

Although nature protection is mostly based on protection of living organisms and ecosystems, protection of geological and geomorphological natural values has a long tradition and is becoming increasingly interesting. Records in rocks allow us to peek in Earth's history; fossil plants and animals teach us about development of life over millions of years; faults tell us about what is happening within Earth's crust; minerals surprise us with their crystallized regular geometrical shapes, magnificent colours and exceptional luster; volcanoes keep demonstrating the intensity and shiftiness of Earth's incandescent interior.

The geological base determines the kind of soil which is going to be present, where water is going to show up, where streams and rivers are going to flow, where mountains are going to rise and where caverns and pits are going to be. By protecting our geoheritage, we are going to preserve the most representative parts of Earth's 4.5 billion year history, admire forces of the past and learn for the future.

Geodiversity is the diversity of phenomena such as rocks, minerals, fossils, relief and processes they influenced during Earth's past. GIS, geoinformation and cartography allow us to manage it.
