


PERSONAL INFORMATION

Ivan Balenović

 Trnjanska cesta 35, HR-10000 Zagreb (Croatia)

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 ivanb@sumins.hr

Sex Male | Date of birth 25/04/1979 | Nationality Croatian

WORK EXPERIENCE

06/05/2014–Present

Scientific associate

Croatian Forest Research Institute

- scientific research in forestry (remote sensing, forest inventory, forest management planning)

15/12/2011–06/05/2014

Senior assistant

Croatian Forest Research Institute

- scientific research in forestry (remote sensing, forest inventory, forest management planning)

01/01/2008–14/12/2011

Assistant

Croatian Forest Research Institute

- scientific research in forestry (remote sensing, forest inventory, forest management planning)

10/07/2006–31/12/2007

Forest engineer

Croatian forest Ltd. Zagreb, Forest administration Bjelovar, Forest office Daruvar

- forest management
- forest utilization
- forest mechanization

10/04/2006–09/07/2006

Forest engineer

Agency for part-time work Ltd. Osijek

- forest inventory

01/02/2005–31/01/2006

Forest engineer

Croatian forest Ltd. Zagreb, Forest administration Bjelovar

- forest inventory
- forest management

EDUCATION AND TRAINING

01/01/2008–07/12/2011

PhD forestry - Forest management

Faculty of forestry, University of Zagreb, Zagreb (Croatia)

15/10/1998–02/07/2004

Forest engineer

Faculty of forestry, University of Zagreb, Zagreb (Croatia)

PERSONAL SKILLS

Mother tongue(s) Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills - good communication and contact skills gained through my experience as a researcher

Organisational / managerial skills - good organisational skills gained as managing editor of the South-east European forestry journal
 - good team-leading skills gained as project manager of several projects

Computer skills - good knowledge of Microsoft Office, STATISTICA
 - good knowledge of GIS and photogrammetry software (ArcGIS, PHOTOMOD, Global Mapper)

ADDITIONAL INFORMATION

Memberships - Managing editor of SEEFOR Journal;
 - Representative of employees in the Management Board of Croatian Forest Research Institute;
 - Representative of Croatian Forest Research Institute in the Scientific Council for remote Sensing in Croatian Academy of Sciences and Arts;
 - Member of Croatian Chamber of Forestry and Wood Technology Engineers

Honours and awards Winner of the PHOTOMOD Lite Contest with the project "Application of PHOTOMOD Lite in estimation of forest stands' structure elements"

Publications **Balenović, I.**, Jazbec, A., Marjanović, H., Paladinić, E., Vuletić, D., 2015. Modeling Tree Characteristics of Individual Black Pine (*Pinus nigra* Arn.) Trees for Use in Remote Sensing-Based Inventory. *Forests*, 6 (2): 492-509. DOI: <http://dx.doi.org/10.3390/f6020492>

Balenović, I., Seletković, A., Pernar, R., Jazbec, A., 2015. Estimation of the mean tree height of forest stands by photogrammetric measurement using digital aerial images of high spatial resolution. *Annals of Forest Research*, 58 (1). DOI: <http://dx.doi.org/10.15287/afr.2015.300>

Balenović, I., Alberti, G., Marjanović, H., 2013: Airborne Laser Scanning - the Status and Perspectives for the Application in the South-East European Forestry. *South-east European forestry*, 4 (2): 59-79. DOI: <http://dx.doi.org/10.15177/see-for.13-07>

Balenović, I., Marjanović, H., Indir K., Vuletić, D., Ostrogović, M.Z., Benko, M., 2013: Estimation of the Stands' Arithmetic Mean Diameter using Manual Method of Digital Photogrammetry. *Periodicum Biologorum*, 115 (3): 399-407.

Balenović, I., Seletković, A., Pernar, R., Ostrogović, M.Z., Jazbec, A., 2012: Regression models of dbh estimation for photogrammetric measurement (in Croatian with English summary). *Šumarski list*, 136 (3-4): 129-139.

Balenović, I., Seletković, A., Pernar, R., Marjanović, H., Vuletić, D., Benko, M., 2012: Comparison of Classical Terrestrial and Photogrammetric Method in Creating Management Division. In: T. Pentek, T. Poršinsky, M. Šporčić (eds.), Proceedings of 45th International Symposium on Forestry Mechanization: "Forest Engineering - Concern, Knowledge and Accountability in Today's Environment", October 8 – 12, 2012, Dubrovnik (Cavtat), Forestry Faculty of University Zagreb, 1-13, Zagreb.

Balenović, I., 2011: Applying possibility of digital aerophotogrammetric images of different spatial

resolution in forest management (in Croatian with English summary). Dissertation, University of Zagreb, Forestry Faculty, pp. 166.

Benko, M., **Balenović, I.**, 2011: Past, present and future of application of remote sensing methods in Croatian forest inventory (in Croatian with English summary). *Šumarski list*, 135 (13): 272-281.

Balenović, I., Seletković, A., Pernar, R., Marjanović, H., Vuletić, D., Paladinić, E., Kolić, J., Benko, M., 2011: Digital Photogrammetry – State of the Art and Potential for Application in Forest Management in Croatia. *South-east European forestry*, 2 (2): 81-93. DOI: <http://dx.doi.org/10.15177/seeefor.11-09>

Balenović, I., Marjanović, H., Benko, M., 2010: Application of aerial photographs in forest management in Croatia (in Croatian with English summary). *Šumarski list*, 134 (11-12): 623-631.

Balenović, I., Marjanović, H., Alberti, G., Ostrogović, M.Z., Delle Vedove, G., Peressotti, A., Vuletić, D., 2009: First results of Soil Respiration Measurements in a Pedunculate Oak Stand of the Pokupsko Basin. In: S. Matić, I. Anić (eds.), *Šume hrasta lužnjaka u promijenjenim stanišnim i gospodarskim uvjetima*, Hrvatska akademija znanosti i umjetnosti, 209-221, Zagreb.

Projects

2014-2017

Title: Estimating and Forecasting Forest Ecosystem Productivity by Integrating Field Measurements, Remote Sensing and Modeling (EFFEctivity)

Contracting Authority: Croatian science foundation

Principal investigator: Dr Hrvoje Marjanović

Task within project: Researcher

2013-2016

Title: Adriatic Holistic Forest Fire Protection (HOLISTIC)

Contracting Authority: European Commission (IPA Adriatic Cross-border Cooperation Programme)

Principal investigator: Dr Dijana Vuletić

Task within project: Researcher

2013-2015

Title: Ecological and climate changes and regeneration related issues of pedunculate oak forests in Spačva basin

Contracting Authority: Croatian Forest Ltd.

Principal investigator: Dr Tomislav Dubravac

Task within project: Researcher

2014-2015

Title: Methodology for the damage assessment on forest stands of the Mediterranean caused by extreme natural disasters (fires, wind), recuperation and economic measures for minimizing the risk

Contracting Authority: Croatian Forest Ltd.

Principal investigator: Dr Dijana Vuletić

Task within project: Researcher

2011-2013

Title: Application of digital Photogrammetry in practical forest management

Contracting Authority: Croatian Forest Ltd.

Principal investigator: Dr Ivan Balenović

Task within project: Project Manager (Leader); Researcher

2007-2010

Title: Growth and development of forests under different ecological and management conditions

Contracting Authority: Ministry of Science Education and Sport (Project ID:024-0242049-2106)

Principal investigator: Dr Miroslav Benko

Tasks within project: Researcher

2006-2010

Title: Application of remote sensing in forestry

Contracting Authority: Croatian Forest Ltd.

Principal investigator: Dr Miroslav Benko Task within project: Researcher