



**Inge G.C.
Jonckheere**

DATE OF BIRTH:

26/05/1977

CONTACT

Nationality: Belgian

Gender: Female



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ABOUT ME

Experienced International Team Leader with a long and demonstrated history of working in international technical development (aid) & great experience of over 25 years working in over 50 developing countries. PhD in Remote sensing & Earth Observation. Strong information technology professional Manager, skilled in Space science: Remote sensing and Earth Observation, Innovation & Technology, Sustainable Development, Forest Management, Carbon, Climate change, Digital platforms, Spatial Analysis and Biodiversity, Cultural heritage assessment using Remote Sensing. IPCC Lead Author for several reports including the AR6 and UNFCCC GHG expert for Belgium since 2011. Culture, innovation, sports, music & sustainable fashion as hobbies.

WORK EXPERIENCE

STARTING 01/04/2024 – CURRENT – Frascati, Italy

Head of the Green Solutions Division

Climate Action, Sustainability and Science Department

ESA (European Space Agency)

01/01/2011 – 01/03/2024 – Rome, Italy

Remote Sensing & Earth Observation Applications expert

Team Leader Thematic Area 'Satellite Land Monitoring Systems' -Earth Observation, Data Web portals and platforms

FAO (Food and Agriculture Organization) of the UN

01/05/2009 – 01/01/2011 – Rome, Italy

Visiting Scientific Expert - Remote Sensing for National Land Monitoring Systems: land use assessment techniques using RS

FAO of the UN

01/05/2006 – 01/05/2009 – Strasbourg, France

ESF-Science Programme Manager European projects- Environment EUROCORES Programme Coordinator for Environmental Sciences

European Science Foundation

01/05/2005 – 01/05/2009 – Leuven, Belgium

Guest Lecturer Remote Sensing and Earth Observation

Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering

01/01/2001 – 15/04/2005 – Leuven, Belgium

Research Associate at the Geomatics group in the Department of Land Management

Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering

01/07/1999 – 31/12/2000 – Milano, Italy

Different scientific Earth observation collaborations Università degli Studi di Milano

LANGUAGE SKILLS

MOTHER TONGUE(S): Dutch

OTHER LANGUAGE(S):

Italian

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|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|
| Listening C2 | Reading C2 | Spoken production C2 | Spoken interaction C2 | Writing C2 |
|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|

French

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|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|
| Listening C2 | Reading C2 | Spoken production C2 | Spoken interaction C2 | Writing C2 |
|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|

English

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|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|
| Listening C2 | Reading C2 | Spoken production C2 | Spoken interaction C2 | Writing C2 |
|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|

German

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|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|
| Listening C2 | Reading C2 | Spoken production B1 | Spoken interaction B2 | Writing B2 |
|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|

Portuguese

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|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|
| Listening C2 | Reading C2 | Spoken production C2 | Spoken interaction C2 | Writing B2 |
|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|

Spanish

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|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|
| Listening C2 | Reading C2 | Spoken production C2 | Spoken interaction C2 | Writing C1 |
|------------------------|----------------------|--------------------------------|---------------------------------|----------------------|

EDUCATION AND TRAINING

31/07/2006 – 11/08/2006 – Largo Galileo Galilei 1, Frascati, Italia

ESA Envisat Summerschool

ESA ESRIN

https://www.esa.int/About_Us/ESRIN

01/01/2001 – 15/04/2005 – Kasteelpark Arenberg 21, Heverlee, Belgium

PhD in Applied Bioscience Engineering – Remote Sensing

Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering

<https://www.biw.kuleuven.be/>

01/10/1997 – 01/03/1998 – Via Celoria 2, Milano, Italy

Erasmus student Exchange programme

Universita degli Studi di Milano

<https://www.unimi.it/it/corsi/facolta-e-scuole/scienze-agrarie-e-alimentari>

01/10/1995 – 01/07/2000 – Kasteelpark Arenberg 21, Heverlee, Belgium

MSc in Environmental Engineering, option Land and Forestry management

Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering

<https://www.biw.kuleuven.be/>

01/09/1990 – 06/1995 – Beverlaai 18, Kortrijk, Belgium

Latin-Mathematics

Lyceum Onze-Lieve-Vrouw-van-Vlaanderen

DIGITAL SKILLS

Microsoft Office / Social Media / Outlook / Basic knowledge of software development in Python programming language. / Java Programming language / Excellent in Spatial Analysis (ArcGIS, QGIS, Google Earth)

EXPERIENCES ABROAD

01/06/2005 – CURRENT

Long stays of technical backstopping in developing countries on Earth Observation and satellite monitoring

Among others:

Intensive teaching on land use/land cover (change), climate change and remote sensing: Lima (Peru), Paro (Bhutan), Arusha & Morogoro (Tanzania), Lusaka (Zambia), Hanoi & Ho Chi Minh City (VietNam), Harare (Zimbabwe), Khartoum (Sudan)

Co-organisation and preparation for the teaching on Land use Monitoring & MRV aspects in the REDD+ context, REDD+ University, Calabar, Nigeria

Organisation and support for the teaching on National Forest Monitoring for REDD+, CRA INPE, Belém, Brazil

Research and teaching exchange at the Instituto de Desenvolvimento Florestal (IDF), Luanda, Angola

01/07/2001 – CURRENT

Long research stays abroad

Research stay at the Ecology Department at the Earth Institute of the Columbia University, New York City, USA

Research collaboration with the Smithsonian Tropical Research Institute (STRI), Panama City, Panama

VALERI Field campaign in collaboration with the University of Helsinki, Suonenjoki, Finland

HOBBIES AND INTERESTS

Research interests

Remote sensing & Earth observation applications, Land use/land cover (change), Land & forest management using open source algorithms, tools and platforms, Climate change, Innovation applications (AI & block chain), (Digital) image processing, Biodiversity and carbon studies, Environmental modeling, Cultural heritage applications with RS

Professional affiliation

Memberships: IEEE, AGU, EGU, BES, EPWS, Euroscience

Regular external reviewer:

Nature Sustainability, Annals of Forest Science, Boreal Environment Research, Trees- Structure and Function, Trees, Tree Physiology, Forest Ecology and Management, Geocarto International, Ecological Modelling, Ecological Informatics, Land, International Journal of Remote Sensing, Remote Sensing, Canadian Journal of Remote Sensing, iForest, Ecological Indicators, Remote Sensing of Environment, IEEE Transaction on Geoscience and Remote Sensing, Agricultural and Forest Meteorology, International Journal of Biometeorology, Sensors, Journal of Forest Research, European Journal of Forest Research, Field Crops Research, Sylva Fennica, Agricultural Sciences in China, Transactions on Intelligent Systems and Technology, Journal of Selected Topics in Earth Observations and Remote Sensing, International Journal of Applied Earth Observation and Geoinformation, Scientia Horticulturae, Carbon Balance and Management, Ecology and Evolution, PlosOne, Remote Sensing in Ecology and Conservation

Editorial Board of Research & Reviews in Bioscience, Ecological Informatics and Remote Sensing

Authorship: over 50 international conference proceedings, 30 peer reviewed papers and book chapters

Member Scientific Committee IGARSS (2008-2024) & INGARSS (2020), Expert in FP7 (EC) (2006-2014), Expert in Horizon 2020 (2017-2024), Member Scientific Subcommittee BiodivERsA, Advisory Board members ESA projects: e.g. Terrascope, Worldcover, Advisory Board SBO of FWO

Organizer and co-organizer of various international workshops and conferences or sessions (Marbef, EGU, AGU, IUFRO, etc.)

Since 2011: Official GHG Expert for UNFCCC roster of Experts (Belgium)

Since 2013: Official reviewer for GHG-LULUCF sector for Annex I countries for UNFCCC: GHG, FREL and BURs since 2013

Since 2017: IPCC Lead Author for AFOLU in 2019 Refinement of 2006 GHG GPG for the Chapter on Land Representation

Lead Author for IPCC Assessment Report 6, WG III

Personal hobbies

Sports: Soccer, running, surfing, scuba diving, dancing

Music: piano, listening to music

Culture: theatre, film and sustainable fashion design

Founder of the NGO #Bethechange