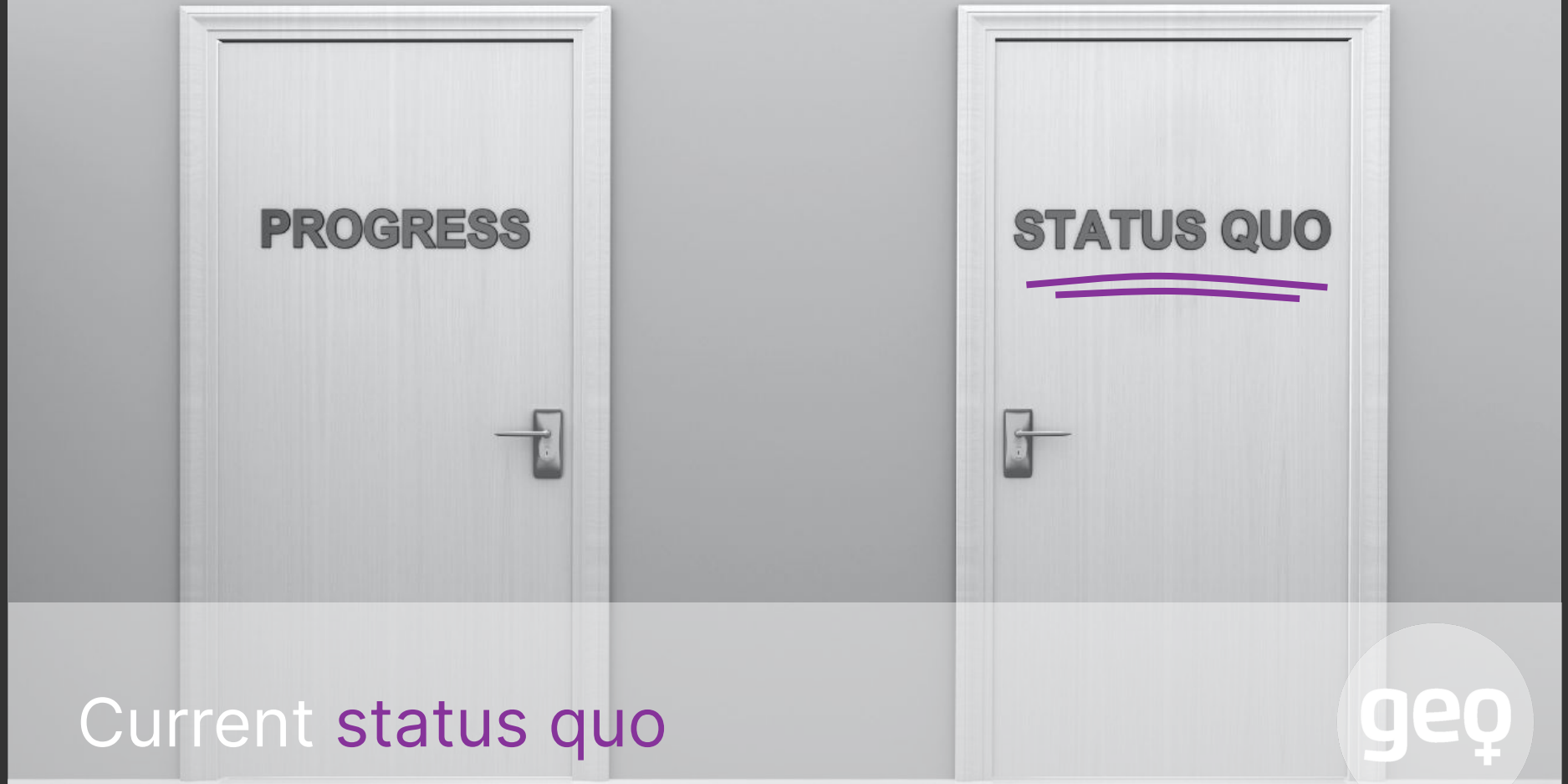
GeoBeer #35 | 10 December 2021

Women in Geospatial+

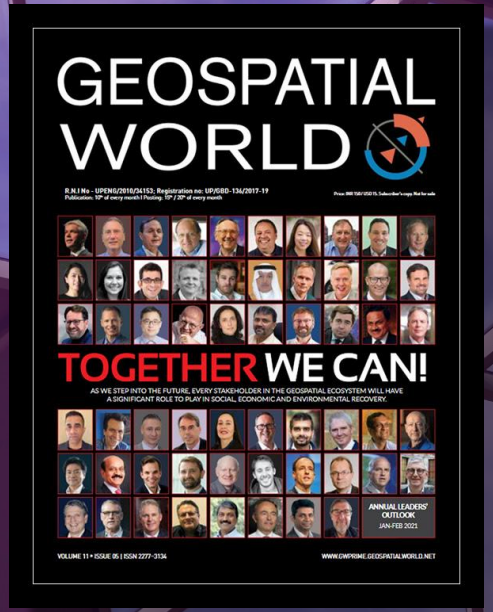
Changing the status quo by creating a strong network of women+ leaders and changemakers

Daria Ludtke | Steering Committee Member & Western Europe Ambassador



Current status quo

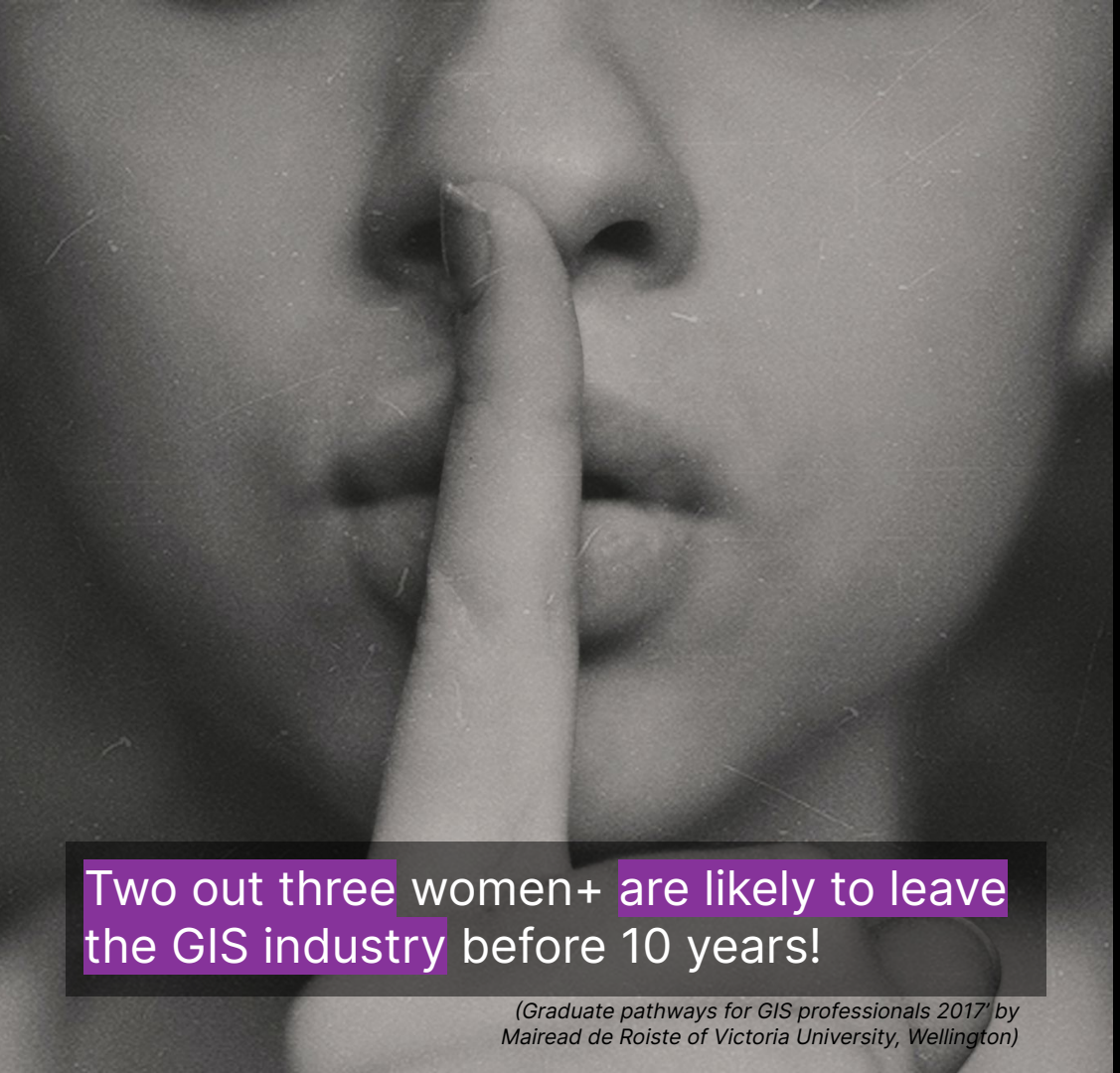
~ 60 % women+



5 women+ out of 60 geospatial leaders

Representation matters!

geo



Two out three women+ are likely to leave the GIS industry before 10 years!

(Graduate pathways for GIS professionals 2017' by Mairead de Roiste of Victoria University, Wellington)

Unconscious bias in the workplace and in hiring processes.

Upbringing and socialisation plays an important role.

And also how society perceives ‘leadership’.

#01

ONLY 10% OF SENIOR LEADERS ARE WOMEN.

LEARN MORE

#05

SOCIETY MAKES A WOMAN HER HARSHEST CRITIC.

LEARN MORE

#11

SUCCESSFUL WOMEN ARE SEEN AS LESS LIKEABLE.

LEARN MORE

#25

YOU CAN'T BE WHAT YOU CAN'T SEE.

LEARN MORE

HOMEWARD BOUND.

Genderfacts.org

How to foster change?

Women in Copernicus

Ladies of Landsat

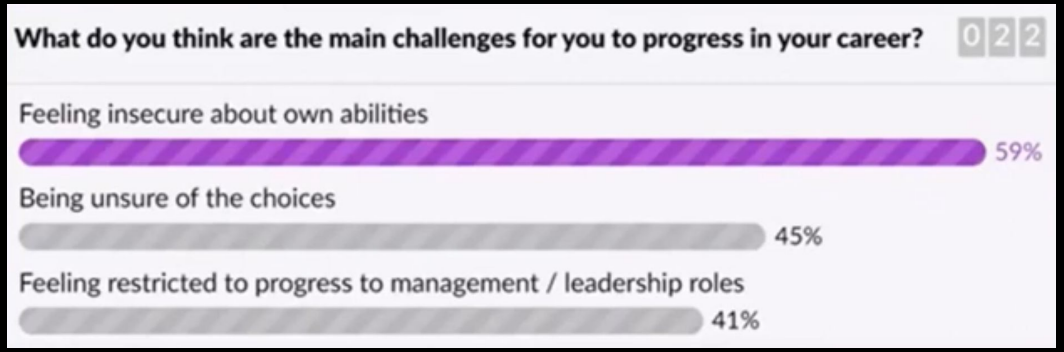
GEOCHICAS

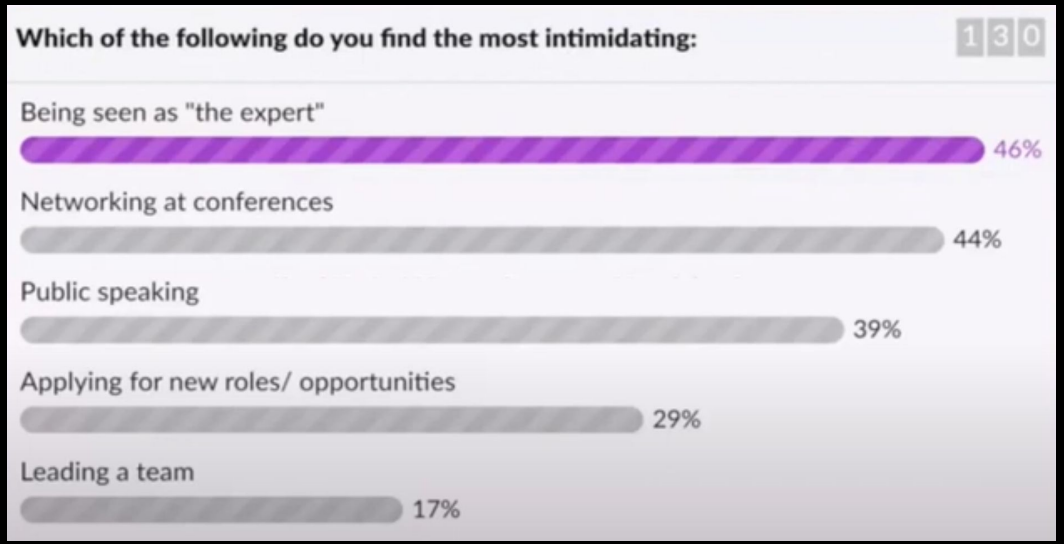
GeoLatinas

WOGIS Ke

LEARN | NETWORK | SUCCEED

The ‘diversity dilemma’





Building up ‘confidence’ and collectively become ‘actors of change’

Our mission

To build an inclusive global community uniting, inspiring and empowering all women+ in geospatial to become strong leaders and changemakers.

CC BY

>2500

strong community

91

Countries

>16000

Followers on socials

We offer

ADVOCACY

COMMUNITY BUILDING

EVENTS

MENTORING

SPEAKERS DATABASE

INSPIRE + UNITE + EMPOWER

Qingbao Meng on Unsplash

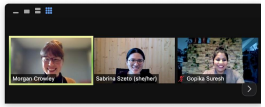
Advocacy

WEEKLY PROFILES

@geospatialwomen

company/women-in-geospatial/

Be visible for the larger community



GEO FOR GOOD SUMMIT 2021

Women+ Networks for Good

Ladies of Landsat
Sisters of SAR &
Women in Geospatial+

November 2021

#GeoForGood21

Vibrant Community

SLACK - Safe Space

- **bit.ly/womeningeospatial_signup**

Monthly webinars on career development

https://www.womeningeospatial.org/events/webinar-series

true horizon COACHING

WOMEN IN GEOSPATIAL+ WEBINAR SERIES

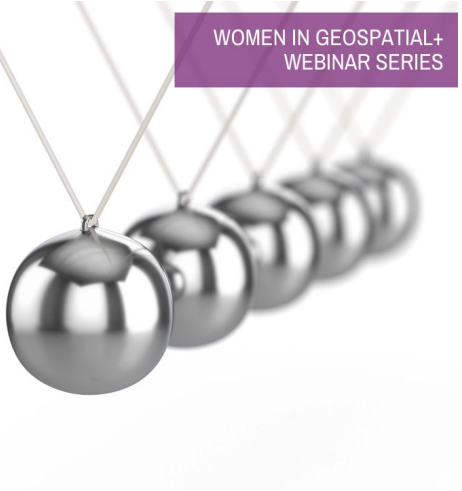
Thu, 8 April 2021 | 16:00-17:00 BST

GEOSPATIAL CAREERS

LESSONS FROM A PROFESSIONAL COACH

by Thierry Gregorius | True Horizon Coaching

WOMEN IN GEOSPATIAL+ WEBINAR SERIES



Wed, 5 May 2021 | 16:00-17:30 BST

IMPACT

MASTERCLASS

with author and broadcaster

Dr Vanessa Collingridge

Register: **bit.ly/wig_impact**

WOMEN IN GEOSPATIAL+ WEBINAR SERIES

Wed, 16 December 2020 | 16:00-17:30 GMT

BOOST YOUR CAREER

PUBLIC SPEAKING 101

Register: **bit.ly/wig_public_speaking**

WOMEN IN GEOSPATIAL+ WEBINAR SERIES

Wed, 8 Sep 2021 | 14:00 - 15:00 BST

GEOSPATIAL WRITING

Panelists: Anusuya Datta
Jasmine Fleming
Rhian French
Gavin Schrock

Moderated by: Petra Millarova

Mentorship Programme

https://www.womeningeospatial.org/join/mentorship

1 year from October to July
(Applications open each September)

'One-to-One' and 'group' mentorship

2020/2021 cohort:
115 participants from 34 countries

Speakers Database

speakers.womeningeospatial.org

Bringing conference / event organisers together with women+ speakers

280 registrations

Register, speak up and embrace change!

Join us and grow your professional network

Register for our speaker database and show the world the great work you do

Consider volunteering or partnering with us or other orgs

Get mentored and be a mentor

Speak up for yourself and diversity and become an actor of change

Inspire
Unite
Empower
geo
#ChooseToChallenge
the STATUS QUO

Let's make a change together

#StrongerTogether

Join us today!

www.womeningeospatial.org

Follow us on Social Media!

@geospatialwomen

company/women-in-geospatial

bit.ly/womeningeospatial_youtube

Register or Search!

https://speakers.womeningeospatial.org

Alexis Antoine on Unsplash

CC BY

Geran de Klerk on Unsplash

CC BY

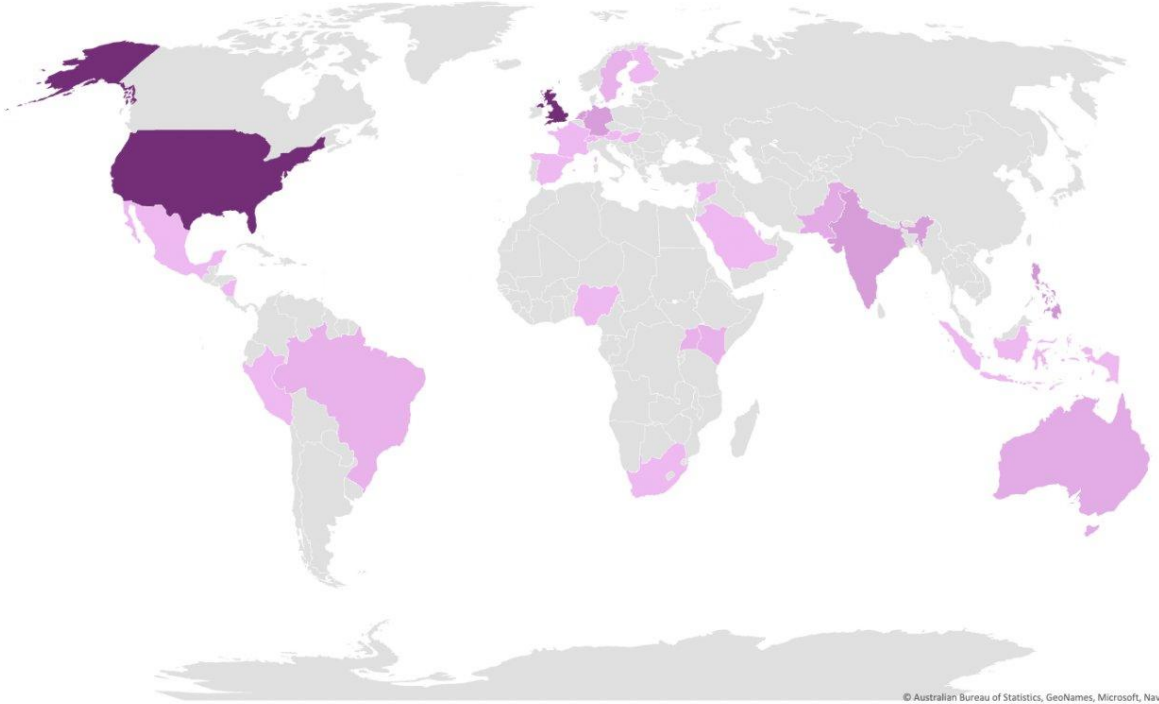
Interim 'executive board' to formalise organisational structure and register as a charity

Regional ambassadors

Diversity, Equity and Inclusion guidelines

Partnerships to foster impactful organisational change

Women in Geospatial+ 2021 Mentorship Programme Participants



WiG+ Mentorship Team

115 participants **34 countries** **18 time zones** **12 volunteers**

Pankow Vector (S)Tiles

Pankow Basics

- Not the band!
- Population approx 410k
- 100km²
- Diverse/ Stereotypes
- Expensive/ Affordable
- Central/ Suburban/ Rural
- Family friendly / Car centric

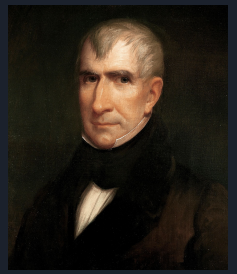
GIS Basics

Grab some data with a GIS (QGIS and QuickOSM, ArcGIS Pro and OSMquery, …)

Strip it down:

- No additional attributes, if not needed
- Fix geometries
- Clip if needed
- Single geojsons

Tippecanoe



Mapbox, awesome, easy

Full multicore support

Creates mbTiles, pbf

In our example:

```
tippecanoe -pk -pC -P -an -z16 -Z11 -e builds --extend-zooms-if-still-dropping
      buildings.GeoJSON highways.GeoJSON leisure.GeoJSON  --force*/
```

-pk: no size limit // -pC: no compression // zoom 11-16 // to folder “builds”

But why?

Smaller data size

Lower bandwidth consumption

Faster generation time

users zoom and pan throughout all scales

De-facto mobile standard

Easy customization

The map is rendering on the client's side and requires a bit more powerful hardware

Data is generalized and therefore not suitable for direct edits

https://www.maptiler.com/news/2019/02/what-are-vector-tiles-and-why-you-should-care/

Let’s see how to use it

Leaflet + VectorGrid plugin, simple webserver

Zoom and properties can be used

Overzooming comes in handy