

Groepsreizen in de Open Source-wereld

FOSS4G.NL

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My daily 'group' for travelling

- <https://www.youtube.com/watch?v=GKg2SHmBExs>

Educations at Forest and Landscape College

Forestry and Landscape Engineer

The forestry and landscape engineer programme is a both practical and theoretical programme aiming at providing the graduate with the necessary background knowledge to make qualified decisions concerning the management of forests, parks and landscapes. Danish is the study language



Educations at Forest and Landscape College

Urban Landscape Engineer

The Urban Landscape Engineer programme is a professional Bachelor's degree programme for students wanting to work with green urban areas at an expert level. The programme includes practical and theoretical content, and the teaching takes place both in the classroom and outdoors.



Educations at Forest and Landscape College

Skilled Forest and Landscape Craftsman

With a certificate as Forestry and Nature Technician you will be a skilled craftsman.



Educations at Forest and Landscape College

- GIS Courses :
- Mandatory
 - 1. year practical use of GIS in forestry – 40 hours
 - 2. year Basic GIS in forestry/urban and administration – 102 hours 7,5 ETCS
- Electives
 - 3. year :
 - UAV and satellite data 2,5 ETCS
 - GIS Analysis vector, raster and point cloud 5 ETCS
 - Intro Database/SQL 2,5 ETCS
- Data: Free- and Open National data, Own data capture
- Software: Mostly OS... a few licensed software:
 - QGIS, PostGIS, CloudCompare, Notepad++, WebODM, GISCloud, Fugroviewer, Pix4D, LASTools, Lidar360

Pro et Con using Open Source in education

- Pro

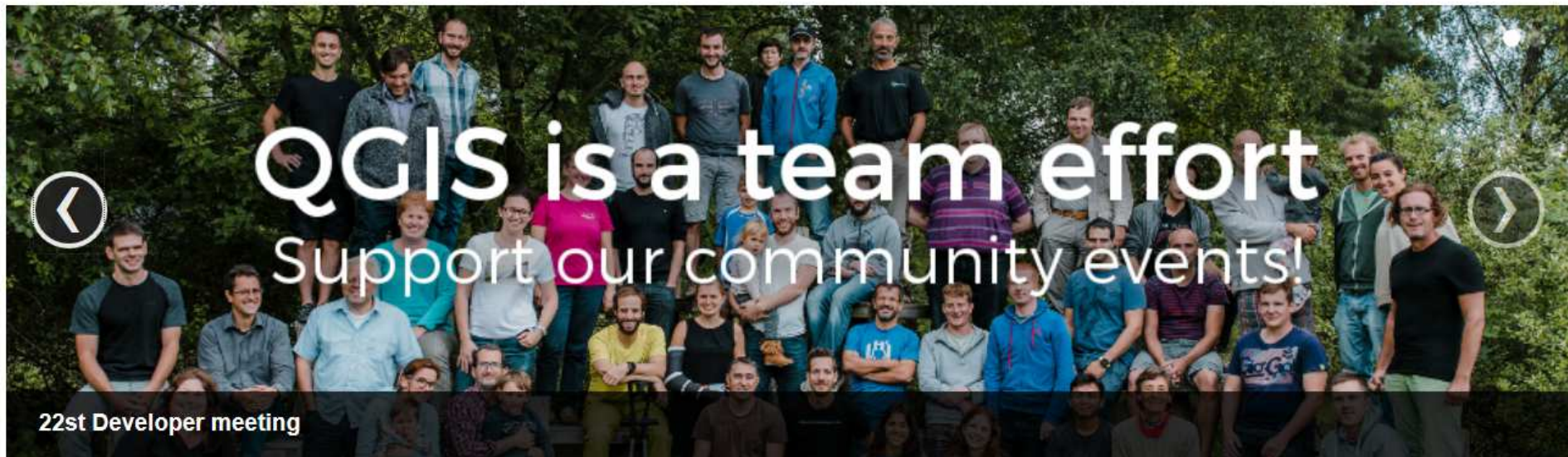
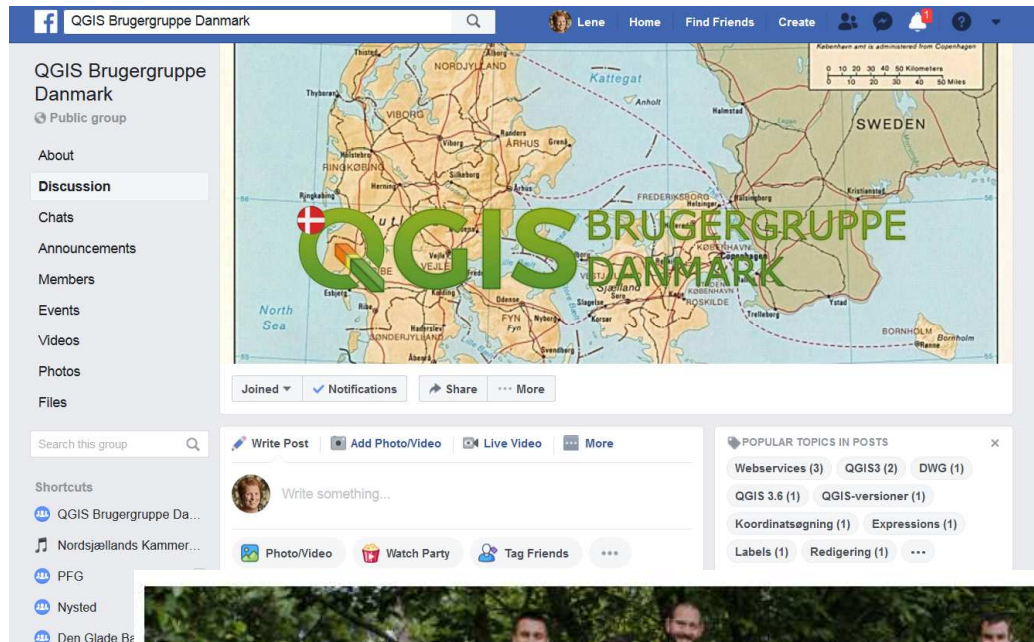
- Easy to download and install for all on own device
- Update to new versions
- Multiple platforms
- No administration for lecturer
- No payment
- Freedom to try and test different platforms – No uniform standard. Use the tool that solve your problem.

- Con

- Students are afraid they get 'discount' education and future employers will not approve to Open Source
- Students are afraid that publication of articles will be rejected if using OS
- Not single solutions – you have to think, try out and choose → hard work and sometimes frustrated students

How do I get students to travel along

- Feel a part of the group (QGIS) –
 - Introduce QGIS DK user group and International community



How do I get students to travel along

- Take responsibility for program functions – Bug reporting

The screenshot shows the GitHub repository for QGIS. At the top, the repository name 'qgis / QGIS' is displayed. Below it, there are tabs for 'Code', 'Issues' (3,053), 'Pull requests' (33), 'Projects' (0), 'Wiki', 'Security', and 'Insights'. On the right side, there are buttons for 'Sponsor', 'Watch' (311), 'Star' (2,746), and 'Fork' (1,507). A banner below the repository name asks 'Want to contribute to qgis/QGIS?' and provides a link to 'contributing guidelines'. Below the banner, there is a search bar with the text 'geopackage' and buttons for 'Filters', 'Labels' (61), and 'Milestones' (10). A green button labeled 'New issue' is also present. Below the search bar, there is a link to 'Clear current search query, filters, and sorts'. The main content area shows a list of issues. The first issue is 'Union to Geopackage format returns erroneous results' (Bug) with ID #30278, opened 14 hours ago by wburn. The second issue is 'Excessive Commit/RAM usage when drawing project' (Bug, Project) with ID #30225, opened 6 days ago by Saijin-Naib. The third issue is 'QGIS crashes when adding file to geopackage -> layer -> field(BLOB)' (Bug, Data Provider) with ID #30210, opened 6 days ago by APOS80. The fourth issue is 'trying to delete raster layer from geopackage, said it was locked, so went to exit, crashed on exit' (Bug) with ID #30203, closed 6 days ago by gregcocks. The fourth issue has a comment icon with the number 1.

qgis / QGIS

Sponsor Watch 311 Star 2,746 Fork 1,507

<> Code Issues 3,053 Pull requests 33 Projects 0 Wiki Security Insights

Want to contribute to qgis/QGIS?

If you have a bug or an idea, read the [contributing guidelines](#) before opening an issue.

Dismiss ...

Filters geopackage Labels 61 Milestones 10 New issue

Clear current search query, filters, and sorts

91 Open 348 Closed	Author	Labels	Projects	Milestones	Assignee	Sort
Union to Geopackage format returns erroneous results Bug	#30278	opened 14 hours ago by wburn				
Excessive Commit/RAM usage when drawing project Bug Project	#30225	opened 6 days ago by Saijin-Naib				
QGIS crashes when adding file to geopackage -> layer -> field(BLOB) Bug Data Provider	#30210	opened 6 days ago by APOS80				
trying to delete raster layer from geopackage, said it was locked, so went to exit, crashed on exit Bug	#30203	by gregcocks was closed 6 days ago				1

How do I get students to travel along

- Let students meet other users and developers
 - This year – QGIS.dk gave 4 travel grants for FOSS4G
 - Next year – QGIS hackfest and conference is in Nødebo → Meeting user & developers makes them a part of the group
 - Show that programs and data only gets better if you use and evaluate – and you can get in contact with developers
- Students (100 persons/year) are Open Source ambassadors when there are on internship → They are proud to provide new knowledge to existing organisations
- Show students, that sharing knowledge and effort is the fastest and funniest way to reach goals

How to make a group trip adventurous

- Set up the goals
- Explore new horizons
- Adjust travel speed and cooperate
- Feel safe
- Good group dynamics
- Enjoy the ride
- Keep the budget – empty pockets gives grumpy minds
- Be inclusive
- This sounds too religious



Lene Fischer @Lene_Fischer · 1. jun.

#GISchat #foss4g2019

I have a few questions about use of Open Source GIS:

Which GIS programs do you use ?

Why do you use Open Source GIS programs ?

In which profession do you use GIS (municipality, government, education ect..) ?

How do you 'pay' for your use of the programs ?

Oversæt tweet



30



35



64



Lee Hachadoorian

@LHachadoorian

Følg

Svarer @Lene_Fischer

1. R (and spatial pkgs), Python (and spatial pkgs), QGIS, PostGIS, SpatiaLite

Oversæt tweet

2. I got into open source for ethical reasons. Knowledge should be free. Patents (for anything) are a form of government privilege. The only justification for patents is to stimulate innovation, and FOSS4G innovation has been outstripping proprietary. ...

 Oversæt tweet

2. (cont.) As an academic I am committed to creating shared knowledge for the public good, and that applies to both my research and my code. Research should be reproducible, and nonfree tools are a barrier to reproducibility. PS: My dissertation was released CC-BY-ND.

 Oversæt tweet



Lene Fischer @Lene_Fischer · 1. jun.

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🌐 Oversæt tweet



30



35



64



Lee Hachadoorian

@LHachadoorian

Følg

Svarer @Lene_Fischer

3. Higher ed, consulting

4. Blogging, contributing help online ([GIS.SE](#), mailing lists), evangelizing.

🌐 Oversæt tweet

Lets see how you as individuals and organisations can travel along

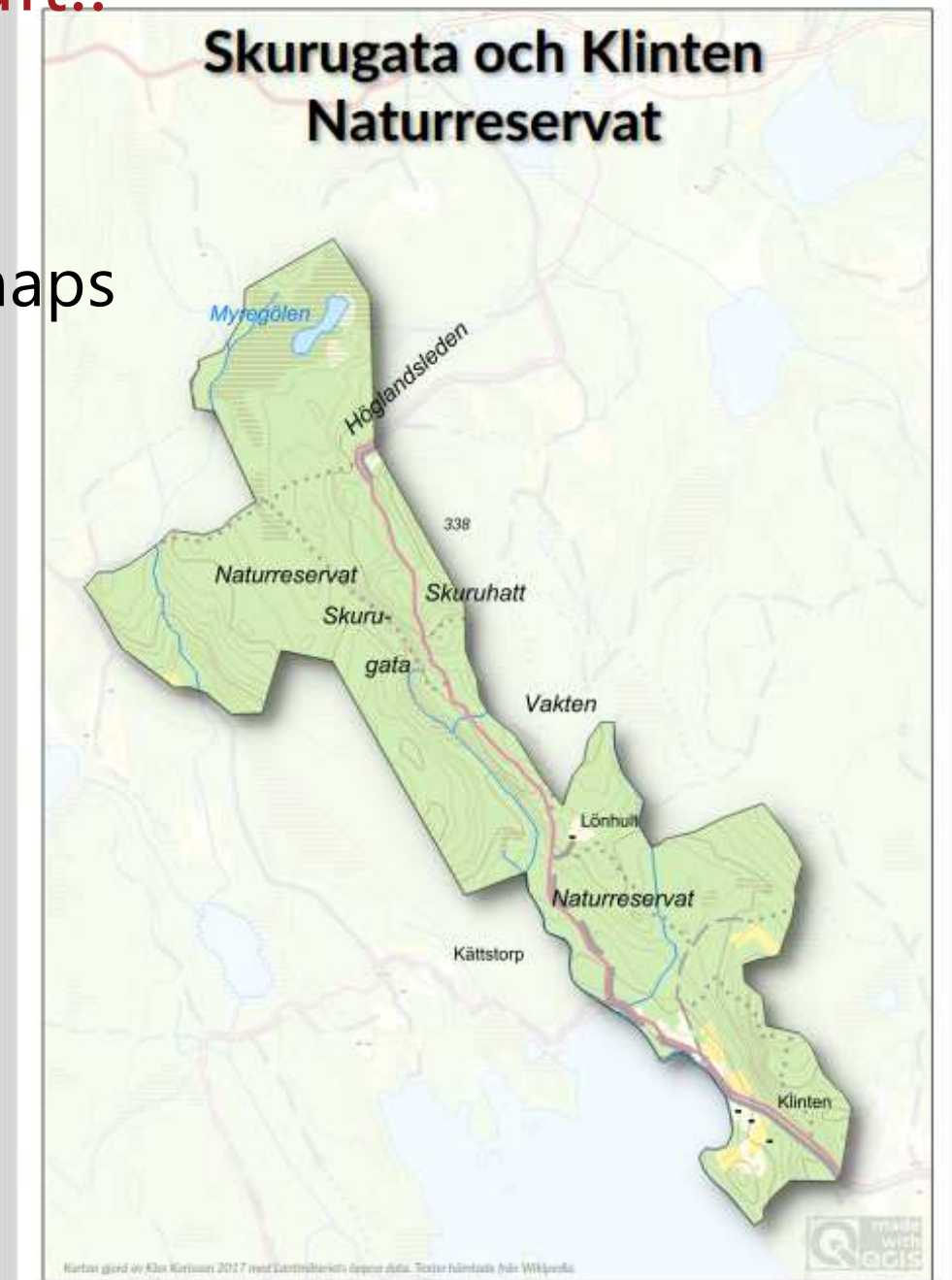
- Get involved... but how - I don't have time, money or talent ?
- You do !
 - Use Open Source programs and data → Tell others about your travel → Share your knowledge to others:
 - Show colleagues or friends
 - Create tutorials
 - Direct to further help on the internet
 - Do ask questions – Others might benefit from your questions
 - Suggest new features - Pay, wait for others to pay or start crowdfunding
 - Share your workflow or specialized programming with others
 - Example from Denmark: Municipalities made crowdfunding for several plugins
 - Participate in conferences and hackfest
 - What is a hackfest – conference - workshops?
 - Meeting for developers, educators and users
 - Listen and sharing and developing
 - You can do your own hackfest and workshop locally

How do I get in contact with a community

- Search for local chapters
- Search for international communities
- Participate in meetings
- If you don't know any in the group – get in contact and ask to be introduced.
- If you **are** a group member and see newcomers – say 'Hello' and be inclusive – **It's of a huge importance.**

Remember to give credit..

- If you make publications either in reference or on maps



... and now change of subject....

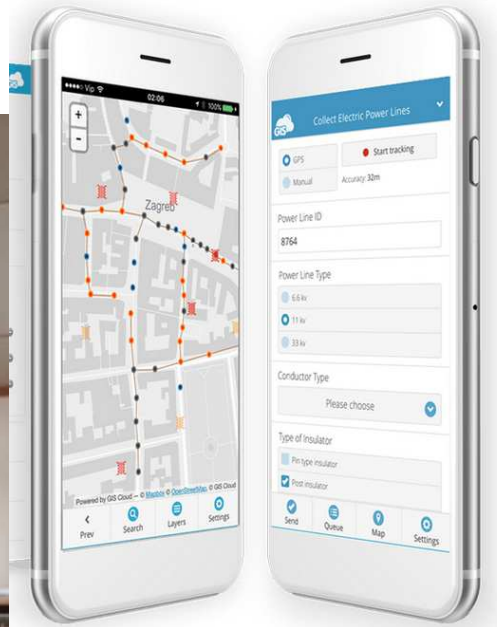
Dare to be a front runner and heard

Dare to admit your lack of knowledge

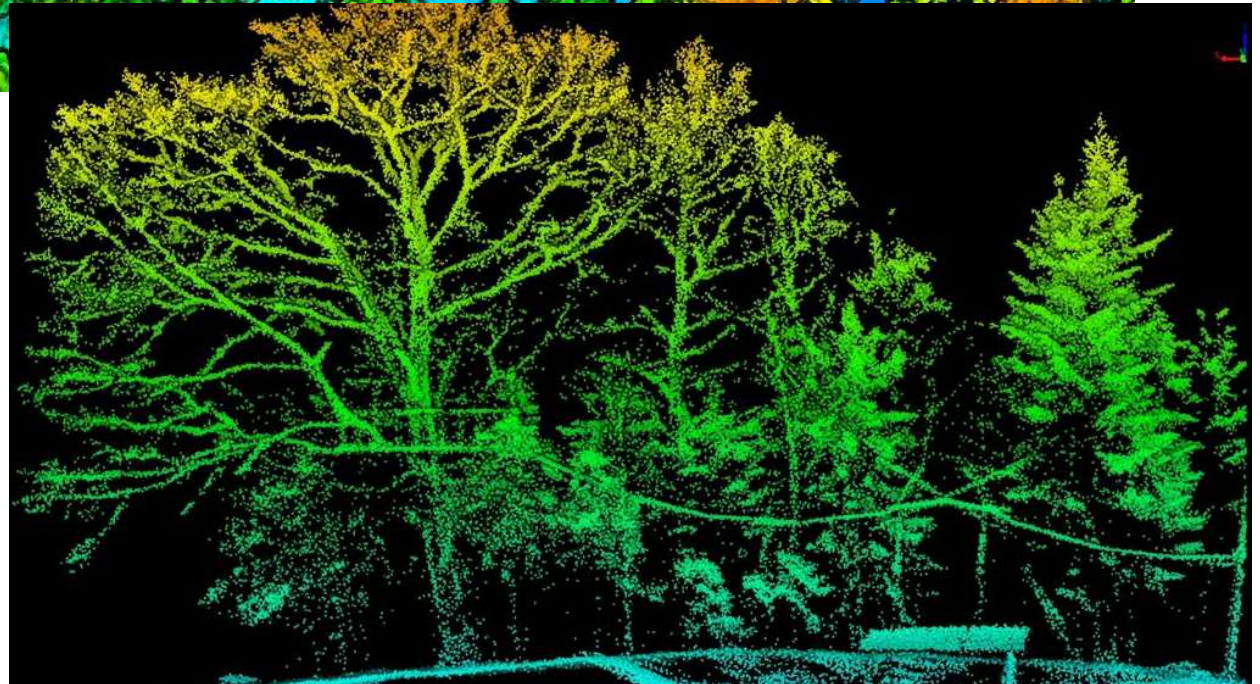
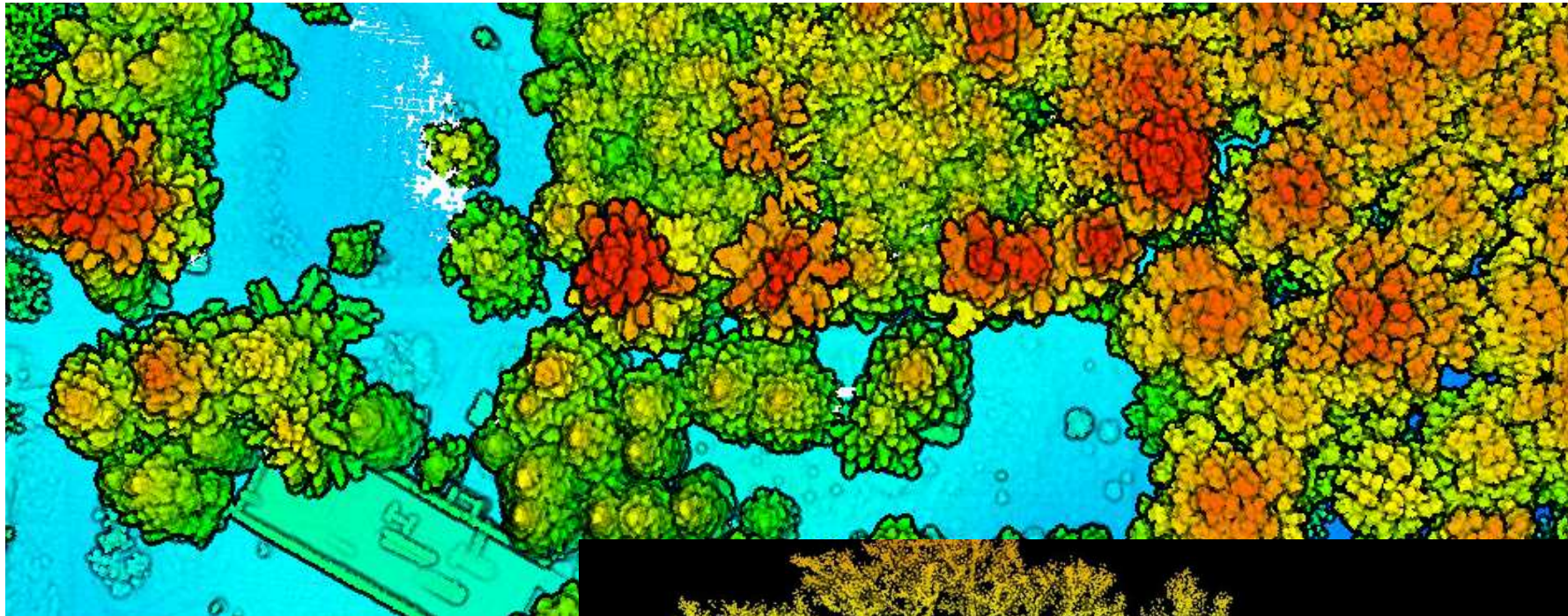
- I love my job - I gives lectures in GIS – not forestry!
- I think out ideas, get inspiration from others (students, colleagues, at conferences or on Twitter)
- I dare to ask questions and reveal my lack of knowledge → I get new knowledge and sometimes new cooperations

Example.....

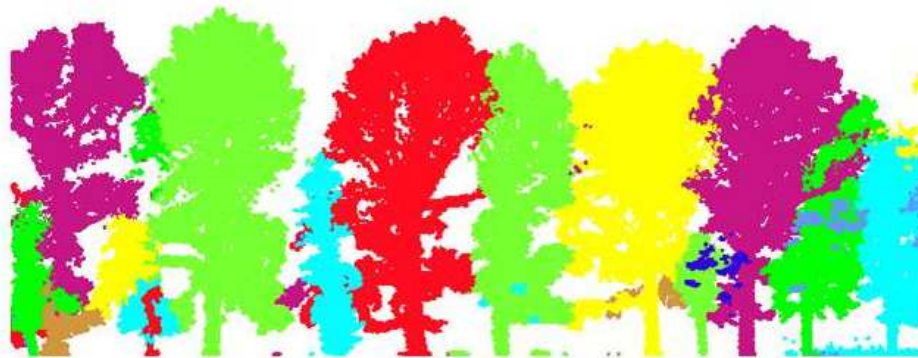
Data capture in forest using RGB, spectral and Point Cloud



- LIDAR Point Clouds



- Extracted single trees and tree metrics.
- I know a little about tree metrics and it's use – I told so.. :-O
- This introductions to my forester colleauges resulted in great questions and two new project ideas. And they now understand I might be a neard – but I need their knowledge so we can achieve great results...



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	TreeID	TreeLocationX	TreeLocationY	TreeHeight	DBH	CrownDiameter	CrownArea	CrownVolume	PreviousID	Measure_18_6	GNS	DiffM†	
2	6	708467,262	6209872,371	25,614	0,506	12,333	119,469	1797,248	22	0,55	0,49	0,52	0,014
3	171	708477,87	6209875,359	26,467	0,556	14,266	159,851	2753,023	242	0,57	0,57	0,57	0,014
4	163	708471,343	6209880,208	26,4	0,614	15,813	196,386	2348,093	253	0,64	0,63	0,635	0,021
5	37	708459,075	6209879,209	24,85	0,462	12,921	131,126	1541,21	20	0,49	0,49	0,49	0,028
6	168	708482,925	6209887,292	24,802	0,654	14,45	163,982	2243,18	243	0,68	0,69	0,685	0,031
7	3	708452,666	6209896,629	24,821	0,552	15,111	179,328	2630,068	15	0,57	0,6	0,585	0,033
8	38	708459,704	6209894,248	25,856	0,633	17,714	246,446	3470,759	21	0,69	0,69	0,69	0,057

Hope to be able to 'gatecrash' this course next year, and exchange data for knowledge

- Open Knowledge
- Open Data
- Open minds



Hans van der Kwast @hansakwast · 6. jun.

Last day of #fieldwork for @ihedelft #hydrology MSc students in #Digne #France. Presentation of the results for each #catchment and group picture. Leaving this beautiful area tomorrow.

Oversæt tweet

