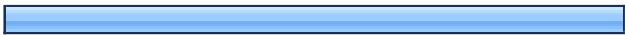












Certification Bodies - Survey of mapping systems, mobile technologies and GIS platforms










1. Please could you provide the following information on yourself and your affiliation. Please answer all questions as an individual auditor and not on behalf of your corporate affiliation unless it specifically asks. The data will be used in aggregate form and no individual responses' data will be identifiable or published.

		Response Percent	Response Count
Respondent name:		100.0%	20
Company / organization:		100.0%	20
Position:		100.0%	20
Country:		100.0%	20
Email Address:		100.0%	20
		answered question	20
		skipped question	0



2. What types of forests do you audit? Select all appropriate

		Response Percent	Response Count
Boreal forests		63.2%	12
Natural temperate forests		89.5%	17
Natural tropical forests		57.9%	11
Plantations		68.4%	13
Smallholder or community based forests		63.2%	12
FM Group forests		78.9%	15
answered question			19
skipped question			1





3. What regions of the world do you provide forest audit services? Select all appropriate

		Response Percent	Response Count
Europe		78.9%	15
North America		26.3%	5
Central and South America		47.4%	9
Europe including Russia		47.4%	9
Africa		42.1%	8
Asia		52.6%	10
Oceania		15.8%	3
answered question			19
skipped question			1


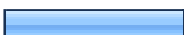





4. Do you use GIS software?

		Response Percent	Response Count
Yes		36.8%	7
No		63.2%	12
Don't know		0.0%	0
answered question			19
skipped question			1

5. Which GIS software do you use? Please select all appropriate and specify version in the text box (this is important for assessing compatibility issues).

		Response Percent	Response Count
ESRI-based (ArcView, ArcMap, ArcGIS, etc)		66.7%	4
MapInfo		0.0%	0
Google Earth		66.7%	4
Quantum GIS (QGIS)		33.3%	2
Other software (specify name and version.....)		50.0%	3
Don't know		0.0%	0
answered question			6
skipped question			14

6. What are the reasons that you chose the GIS software selected?

		Response Percent	Response Count
It was a Corporate selection		28.6%	2
Provides better tools / extensions for Forest Management		28.6%	2
Provides better tools / extensions for Certification		14.3%	1
Provides better background map data		14.3%	1
It is easier to learn / use		57.1%	4
It has better technical support		0.0%	0
Its is cheaper		14.3%	1
It is free		14.3%	1
Not sure		0.0%	0
	Other (please specify)		0
answered question			7
skipped question			13

7. What is the main reason of not using GIS software?

		Response Percent	Response Count
Don't see any use for it		37.5%	3
Lack of skills within organisation		25.0%	2
Prohibitive software licensing / maintenance costs		75.0%	6
Lack of support		12.5%	1
Not sure		0.0%	0
Other (please specify)			9
answered question			8
skipped question			12

8. Do you use GPS equipment in any form?

		Response Percent	Response Count
Yes		73.7%	14
No		26.3%	5
answered question			19
skipped question			1







9. How many items of equipment (phone, tablets, Satnav etc) with GPS do you have on an audit?

		Response Percent	Response Count
Only 1		71.4%	10
2 – 3		28.6%	4
4 or more		0.0%	0
answered question			14
skipped question			6





10. When auditing, do you work with trained professionals for collecting GPS survey data?

		Response Percent	Response Count
Yes		0.0%	0
No		100.0%	14
answered question			14
skipped question			6

11. Please could you indicate which types of equipment you currently use that have GPS capability? For any selected, please list the Brand (e.g.Samsung) and if possible, the Model (e.g. Galaxy) in the text box provided.

		Response Percent	Response Count
Smart phone		35.7%	5
Tablet		21.4%	3
Other consumer grade Satnav systems (e.g. TomTom)		35.7%	5
GPS enabled camera		7.1%	1
Professional grade low cost high accuracy GPS (e.g. UBLOX)		21.4%	3
Professional grade high accuracy Survey grade (e.g. Trimble, Leica)		0.0%	0
Other		21.4%	3
answered question			14
skipped question			6




12. In the previous question, if you selected a Professional grade survey receiver, please tell us the mode of use (level of accuracy under good conditions) that your receiver can operate in. If you did NOT select a Professional Grade receiver, please select "not applicable" below. For UBLOX type - use LEFT Column; For TRIMBLE/LEICA type use RIGHT column

		Response Percent	Response Count
Not applicable		75.0%	9
Standalone (~within 20m accuracy*)		0.0%	0
EGNOS assisted (~within 1.5m level accuracy*)		0.0%	0
DGPS/DGNSS (~0.5 – 1m level accuracy*)		0.0%	0
Carrier Phase Differential GPS (Real Time Kinematic or Post Processed in the Office) (mm to cm level accuracy*)		0.0%	0
Precise Point Positioning (PPP) (Post-Processed in the Office)		0.0%	0
Not sure		16.7%	2
Not applicable		50.0%	6
Standalone (~within 20m accuracy*)		0.0%	0
EGNOS assisted (~within 1.5m level accuracy*)		0.0%	0
DGPS/DGNSS (~0.5 – 1m level accuracy*)		0.0%	0
Carrier Phase Differential GPS (Real Time Kinematic or Post Processed in the Office) (mm to cm level accuracy*)		0.0%	0
Precise Point Positioning (PPP) (Post-Processed in the Office)		0.0%	0
Not sure		8.3%	1
Any comment (please specify which type of receiver)			0
answered question			12

skipped question

8

13. Is your receiver a multi-constellation GPS receiver (that is, in addition to GPS, can it receive signals from other systems such as the Russian GLONASS, etc)?

		Response Percent	Response Count
Yes		14.3%	2
No		42.9%	6
Not sure		42.9%	6
	Comment		1



answered question

14

skipped question

6

14. Are the GPS receivers that you have:

		Response Percent	Response Count
Single frequency (L1 only)		15.4%	2
Dual frequency (L1 and L2)		0.0%	0
Triple frequency (L1, L2 and L5)		0.0%	0
Not sure		84.6%	11
	Any comment:		0




answered question

13



skipped question

7


15. Is your GPS receiver a high sensitivity receiver (i.e. able to track very weak signals)?

		Response Percent	Response Count
Yes		14.3%	2
No		21.4%	3
Not sure		64.3%	9
answered question			14
skipped question			6



16. Do you currently use any smartphone based software (e.g. ViewWorld) in the field for collecting or registering points, boundaries or tracks?

		Response Percent	Response Count
Yes		7.1%	1
No		92.9%	13
answered question			14
skipped question			6




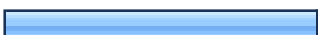
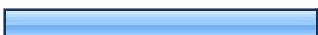
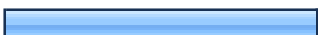
17. Please could you provide the name (and if readily at hand, a url) of the principle apps that you use.

		Response Percent	Response Count
App 1		100.0%	1
App 2		0.0%	0
App 3		0.0%	0
answered question			1
skipped question			19



18. Do you routinely use GPS in your certification work?

		Response Percent	Response Count
Yes		28.6%	4
No		71.4%	10
answered question			14
skipped question			6

19. What types of data do you record or check with GPS?

		Response Percent	Response Count
Identify location in field visits		100.0%	4
Checking location of forest roads and boundaries		75.0%	3
Monitoring/mapping of felling coupes, skid trails, temporary roads		25.0%	1
Georeferencing of sample plot information		0.0%	0
Locating fires, encroachments or other boundary relevant events		50.0%	2
Georeferencing ecological and conservation related data		50.0%	2
Locating social issues (e.g. location of settlements, sacred sites)		50.0%	2
	Other (please specify)		1
answered question			4
skipped question			16

20. Do you find that the accuracy of GPS readings are adequate for your needs?

		Response Percent	Response Count
Accuracy always acceptable		25.0%	1
In most cases accurate enough		75.0%	3
Often insufficiently accurate		0.0%	0

Please add a comment on circumstances in which accuracy is unacceptable

1



answered question

4

skipped question

16

21. Do you find GPS readings agree adequately with map data?

		Response Percent	Response Count
Always		25.0%	1
In most cases		75.0%	3
Usually different		0.0%	0

Comment of accuracy:

2


answered question

4

skipped question

16

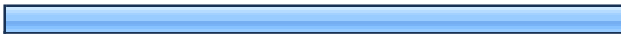
22. Do you intend to purchase new GPS equipment in the future?

		Response Percent	Response Count
Within 1 years time		0.0%	0
2 – 3 years time		0.0%	0
4 or more years time		0.0%	0
No plans to purchase		100.0%	5
answered question			5
skipped question			15

23. If and when you do purchase new GPS equipment (for use in your certification process), what category is it likely to be?

		Response Percent	Response Count
Mass market/consumer grade (smart phone/tablet/camera)		0.0%	0
Hiking/sports grade		0.0%	0
In-car sat nav system (e.g. TomTom)		0.0%	0
Low cost high accuracy system (e.g. Ublox Antaris 5)		0.0%	0
High Accuracy Survey grade (e.g. Trimble, Leica)		0.0%	0
Not sure		0.0%	0
answered question			0
skipped question			20

24. Do you or your parent company ever buy satellite imagery or aerial photos for auditing an FMU?

		Response Percent	Response Count
Yes		0.0%	0
No		100.0%	19
answered question			19
skipped question			1

25. Which of the following do you use:

		Response Percent	Response Count
Aerial photography		0.0%	0
LANDSAT or other free optical satellite imagery		0.0%	0
SPOT or other commercial optical satellite imagery		0.0%	0
Commercial radar satellite data		0.0%	0
Airborne SAR		0.0%	0
Lidar		0.0%	0
Other (please specify)			0
answered question			0
skipped question			20

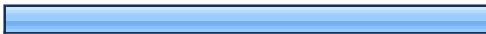
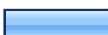




26. Could you list below, the land cover types that you currently map or monitor?

	Response Percent	Response Count
Forest	0.0%	0
Cleared forest	0.0%	0
Planted forest	0.0%	0
Agricultural areas	0.0%	0
Roads	0.0%	0
Rivers and/or water bodies	0.0%	0
Wetlands	0.0%	0
Habitation	0.0%	0
Firebreaks	0.0%	0
Fires	0.0%	0
Topographical features	0.0%	0
Other (please specify)		0
answered question		0
skipped question		20



27. How do you process this data?

	Response Percent	Response Count
Contracted out, to produce GIS compatible layers	0.0%	0
In house, using image processing software: Specify main package used	0.0%	0
answered question		0
skipped question		20

28. As your organization does not currently buy satellite imagery or aerial photos for auditing, please can you indicate why?

		Response Percent	Response Count
We rely exclusively on the client's maps		77.8%	14
We do not have the technical skills		16.7%	3
It is illegal in the countries we work in		5.6%	1
Client FMUs are too small		16.7%	3
Mapping is too costly		11.1%	2
Adequate publicly available independent maps		50.0%	9
	Other (please specify)		7
answered question			18
skipped question			2

29. We would like to involve you in an assessment of a mock up of TransparentForests later in 2013. If you are interested in participating in a web cast on TransparentForests and providing feedback to us on how this could support you in your certification process, please select YES below

		Response Percent	Response Count
Yes		88.9%	16
No		11.1%	2
answered question			18
skipped question			2

30. Thank you for your time in completing this survey. The data will be used in aggregate form and no individual responses' data will be indentifiable. The information gathered will be used on a non-attributable basis in a report to ESA and feedback to FSC stakeholders. No indivdual responses will be published. If you want to add further questions or comments, please use the box below.

	Response Count
	1
answered question	1
skipped question	19