

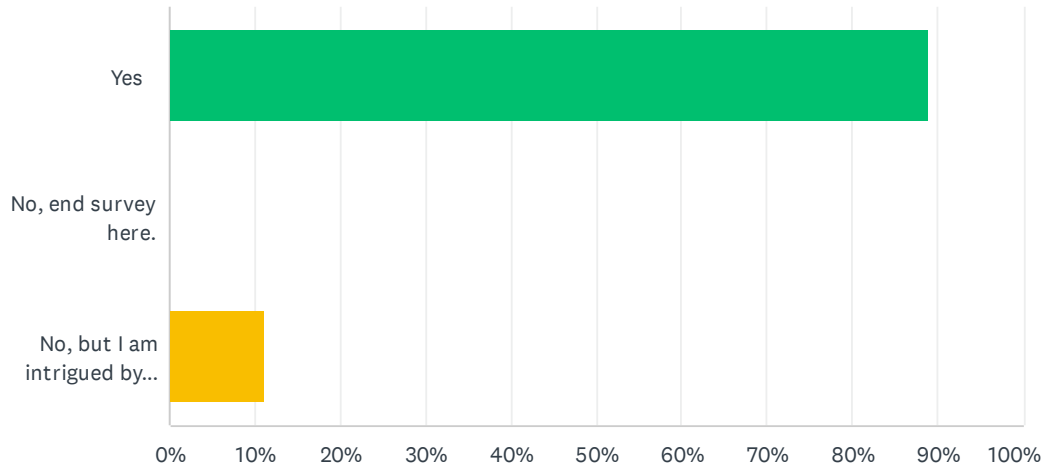
## Q1 Please state your name and affiliation

Answered: 18 Skipped: 0

ANSWER CHOICES	RESPONSES	
Name	100.00%	18
Affiliation	100.00%	18

## Q2 Did/Do you conduct field experiments related to stress detection in agriculture?

Answered: 18 Skipped: 0



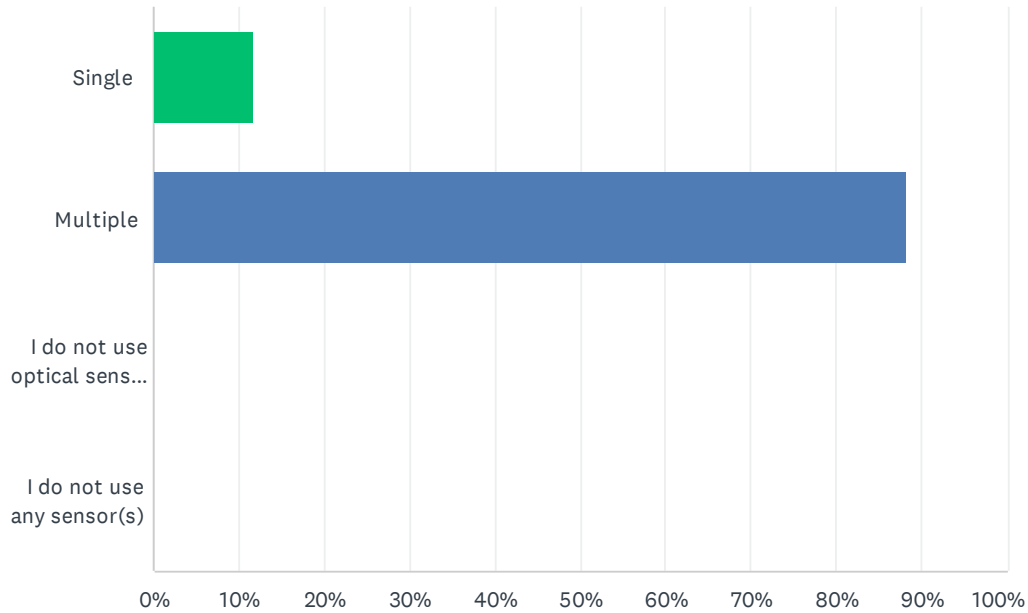
ANSWER CHOICES	RESPONSES	
Yes	88.89%	16
No, end survey here.	0.00%	0
No, but I am intrigued by the survey and want to see how it goes	11.11%	2
TOTAL		18

### Q3 What kind of experiment(s) do/did you carry out?

Answered: 10 Skipped: 8

## Q4 Did/Do you use single or multiple optical sensors for stress detection? Both imaging and point spectrometers can be counted

Answered: 17 Skipped: 1



ANSWER CHOICES	RESPONSES	
Single	11.76%	2
Multiple	88.24%	15
I do not use optical sensors but something else	0.00%	0
I do not use any sensor(s)	0.00%	0
<b>TOTAL</b>		<b>17</b>

## Q5 What are you doing in SENSECO then?

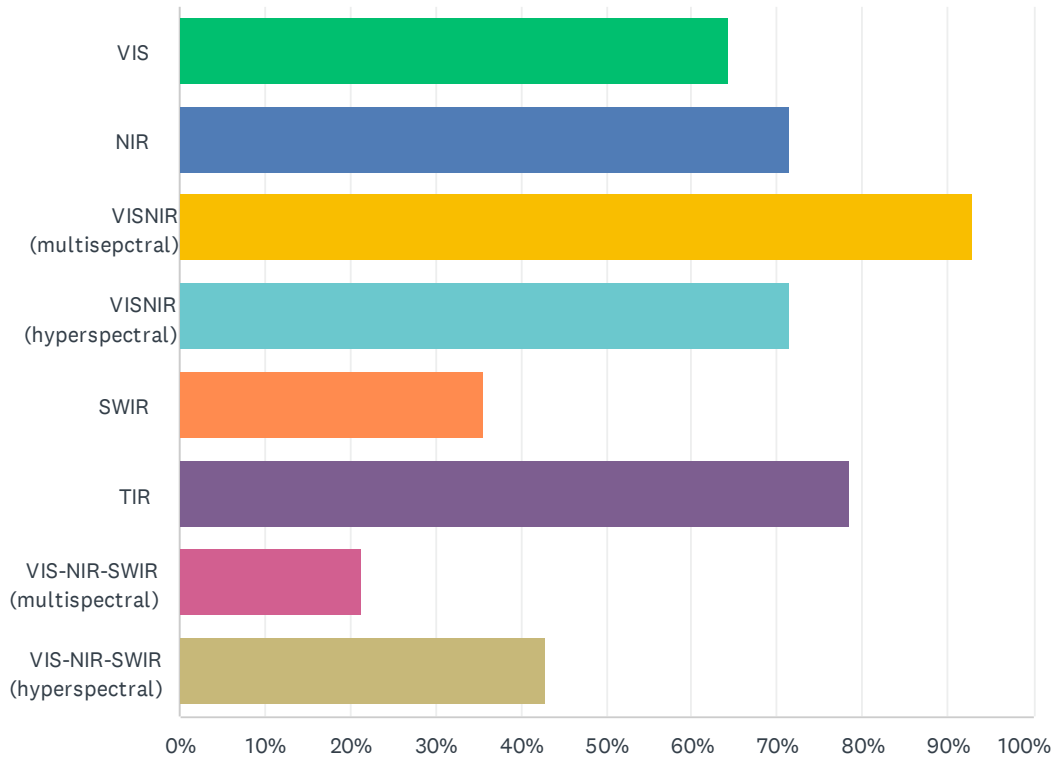
Answered: 0 Skipped: 18

 No matching responses.

ANSWER CHOICES	RESPONSES	
You are very inquisitive dear survey. Please take me back.	0.00%	0
I want to end survey here.	0.00%	0
TOTAL		0

## Q6 Which sensor(s) does your group use?

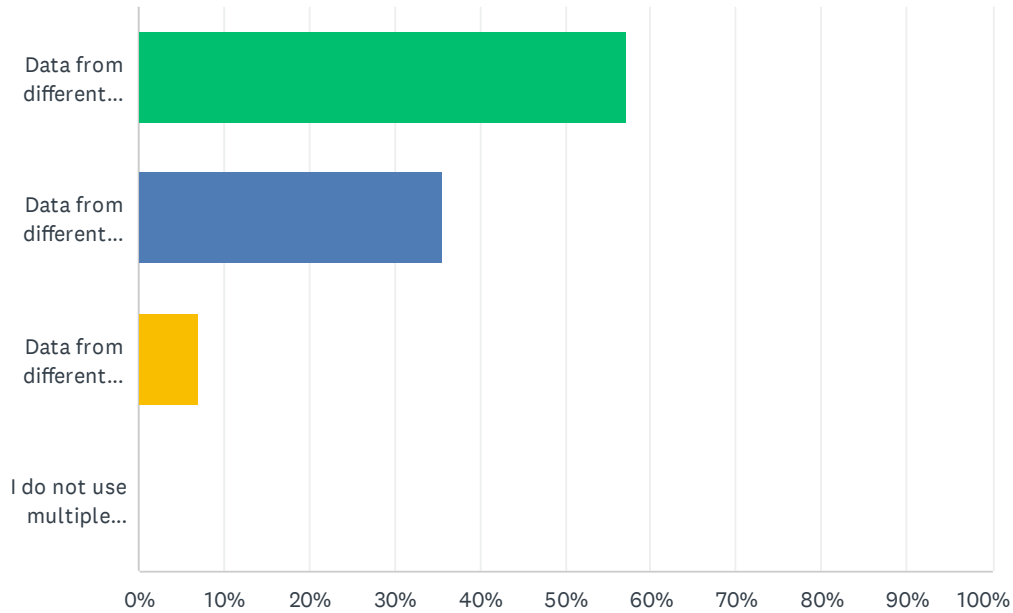
Answered: 14 Skipped: 4



ANSWER CHOICES	RESPONSES
VIS	64.29% 9
NIR	71.43% 10
VISNIR (multispectral)	92.86% 13
VISNIR (hyperspectral)	71.43% 10
SWIR	35.71% 5
TIR	78.57% 11
VIS-NIR-SWIR (multispectral)	21.43% 3
VIS-NIR-SWIR (hyperspectral)	42.86% 6
Total Respondents: 14	

## Q7 In case you use multiple sensors, how-time critical is data acquisition between two sensors?

Answered: 14 Skipped: 4



ANSWER CHOICES	RESPONSES	
Data from different sensors should be acquired simultaneously	57.14%	8
Data from different sensors can be acquired at different time of the day	35.71%	5
Data from different sensors can be acquired days apart from each other	7.14%	1
I do not use multiple sensors	0.00%	0
<b>TOTAL</b>		<b>14</b>

## Q8 What other sensor (s) do you use?

Answered: 0 Skipped: 18



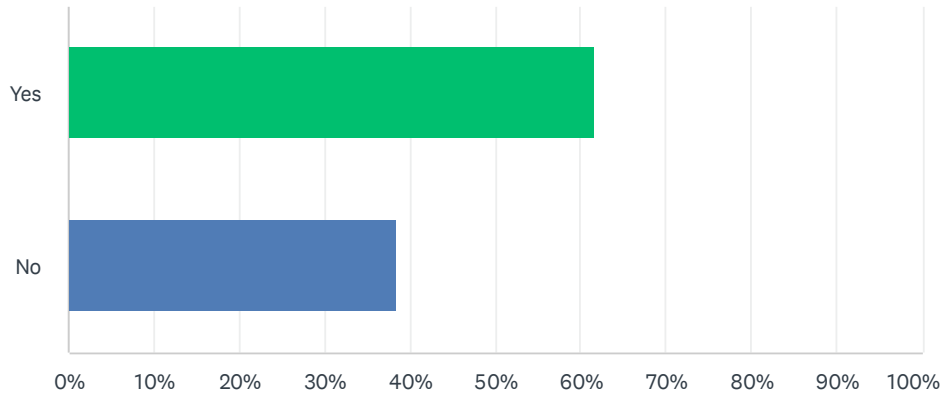
### Q9 When is the best timing (day-time) for data acquisition? Please list for each sensor

Answered: 13 Skipped: 5

ANSWER CHOICES	RESPONSES	
Sensor 1	100.00%	13
Sensor 2	69.23%	9
Sensor 3	30.77%	4

## Q10 Are diurnal measurements expected?

Answered: 13 Skipped: 5



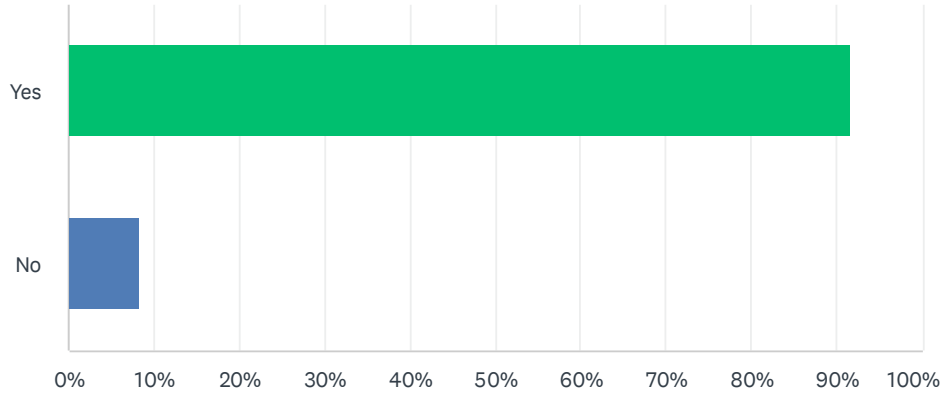
ANSWER CHOICES	RESPONSES	
Yes	61.54%	8
No	38.46%	5
TOTAL		13

## Q11 For which sensor (s)?

Answered: 7 Skipped: 11

### Q12 Are special targets required for the measurements? Targets include but are not limited by ground control points, calibration panels etc.

Answered: 12 Skipped: 6



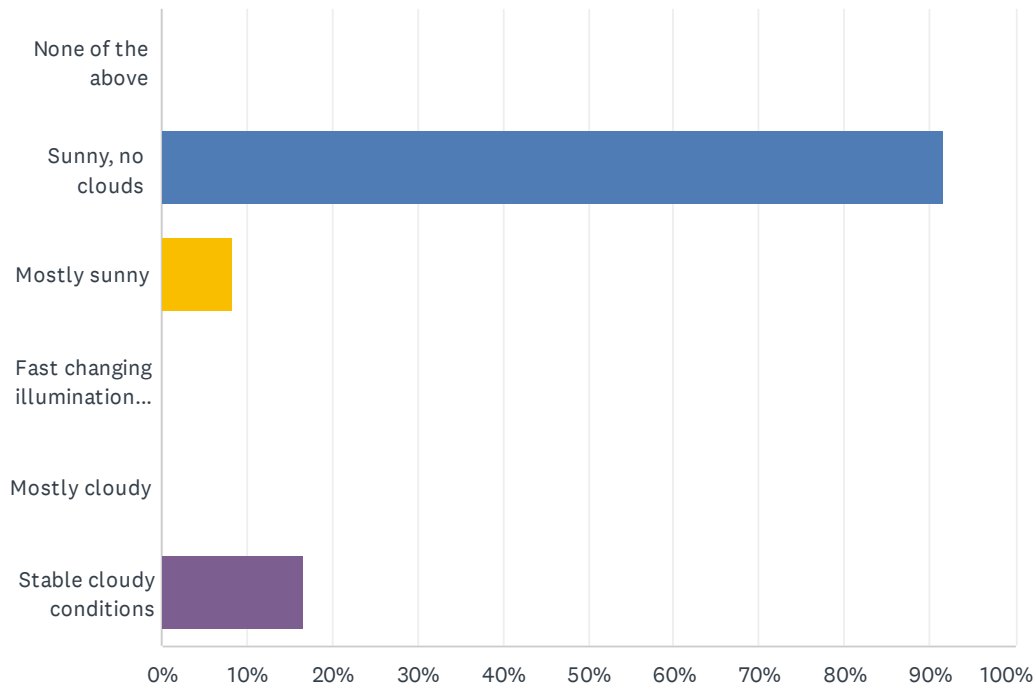
ANSWER CHOICES	RESPONSES	
Yes	91.67%	11
No	8.33%	1
TOTAL		12

## Q13 Could you specify them and what purpose do they serve?

Answered: 11 Skipped: 7

## Q14 What are optimal meteorological conditions for the measurements?

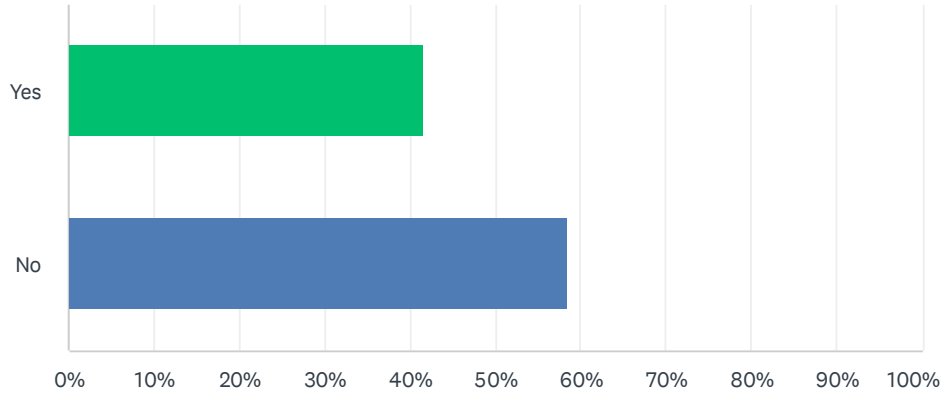
Answered: 12 Skipped: 6



ANSWER CHOICES	RESPONSES	
None of the above	0.00%	0
Sunny, no clouds	91.67%	11
Mostly sunny	8.33%	1
Fast changing illumination conditions	0.00%	0
Mostly cloudy	0.00%	0
Stable cloudy conditions	16.67%	2
Total Respondents: 12		

### Q15 Is data acquisition with sub-optimal conditions useful? Specify for each sensor

Answered: 12 Skipped: 6



ANSWER CHOICES	RESPONSES	
Yes	41.67%	5
No	58.33%	7
TOTAL		12

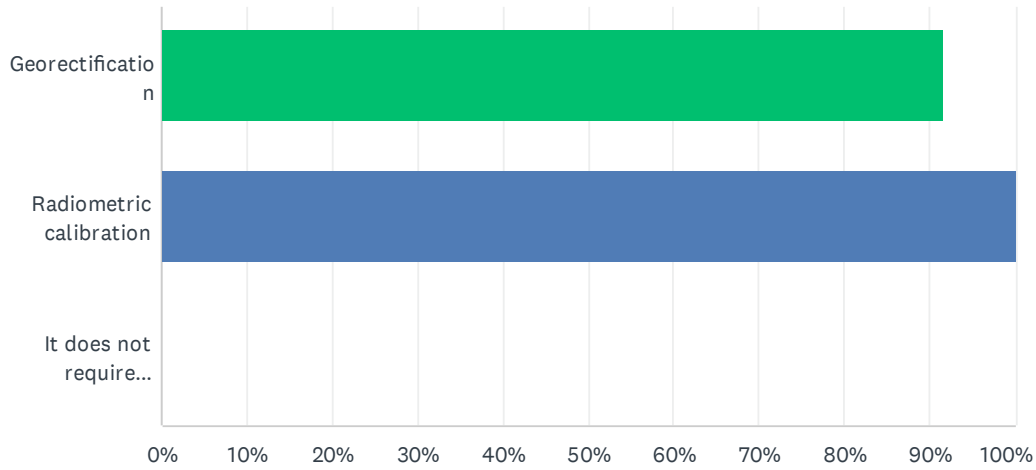
**Q16 Depending on your research question, what is the optimal flight altitude (UAV, airplane) or optimal distance between hand-held/gantry device and the canopy?**

Answered: 12 Skipped: 6



## Q17 What kind of preprocessing does the data require?

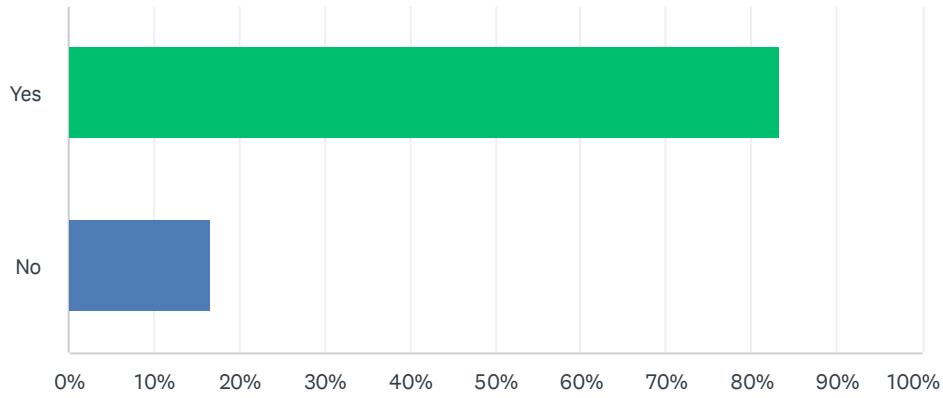
Answered: 12 Skipped: 6



ANSWER CHOICES	RESPONSES
Georectification	91.67% 11
Radiometric calibration	100.00% 12
It does not require preprocessing	0.00% 0
Total Respondents: 12	

### Q18 Are ancillary sensors required (e.g. PAR weather station sensors)?

Answered: 12 Skipped: 6



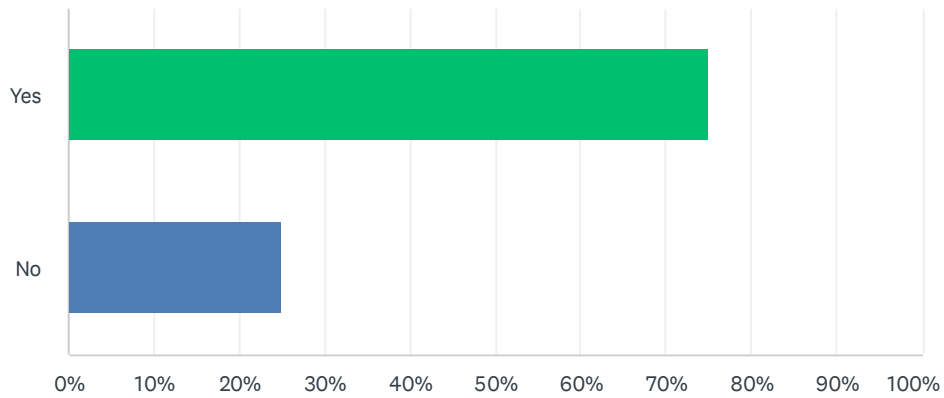
ANSWER CHOICES	RESPONSES	
Yes	83.33%	10
No	16.67%	2
TOTAL		12

## Q19 Could you list these sensors?

Answered: 10 Skipped: 8

## Q20 Do you combine multiple sensor data with different resolutions?

Answered: 12 Skipped: 6



ANSWER CHOICES	RESPONSES	
Yes	75.00%	9
No	25.00%	3
TOTAL		12

## Q21 How do you combine them?

Answered: 8 Skipped: 10

## Q22 Could you provide protocols, guidelines and references for the sensors that your group is using?

Answered: 8 Skipped: 10

**Q23 Anything else you would like to share with respect to sensor synergies that is not covered by the listed questions?**

Answered: 5 Skipped: 13