



## **National Workshop of Organic Cotton Stakeholders- A Dialogue on Challenges and Perspective of Organic Cotton Production in India**

Indore 20<sup>th</sup> November 2018



## Overview

# Seeding the Green Future Phase II (2018-21)

Amritbir Riar, Tanay Joshi, Monika Messmer

National Workshop of Organic Cotton Stakeholders- A Dialogue on Challenges and Perspective of Organic Cotton Production in India

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# Seeding the Green Future Partners (2018-19)



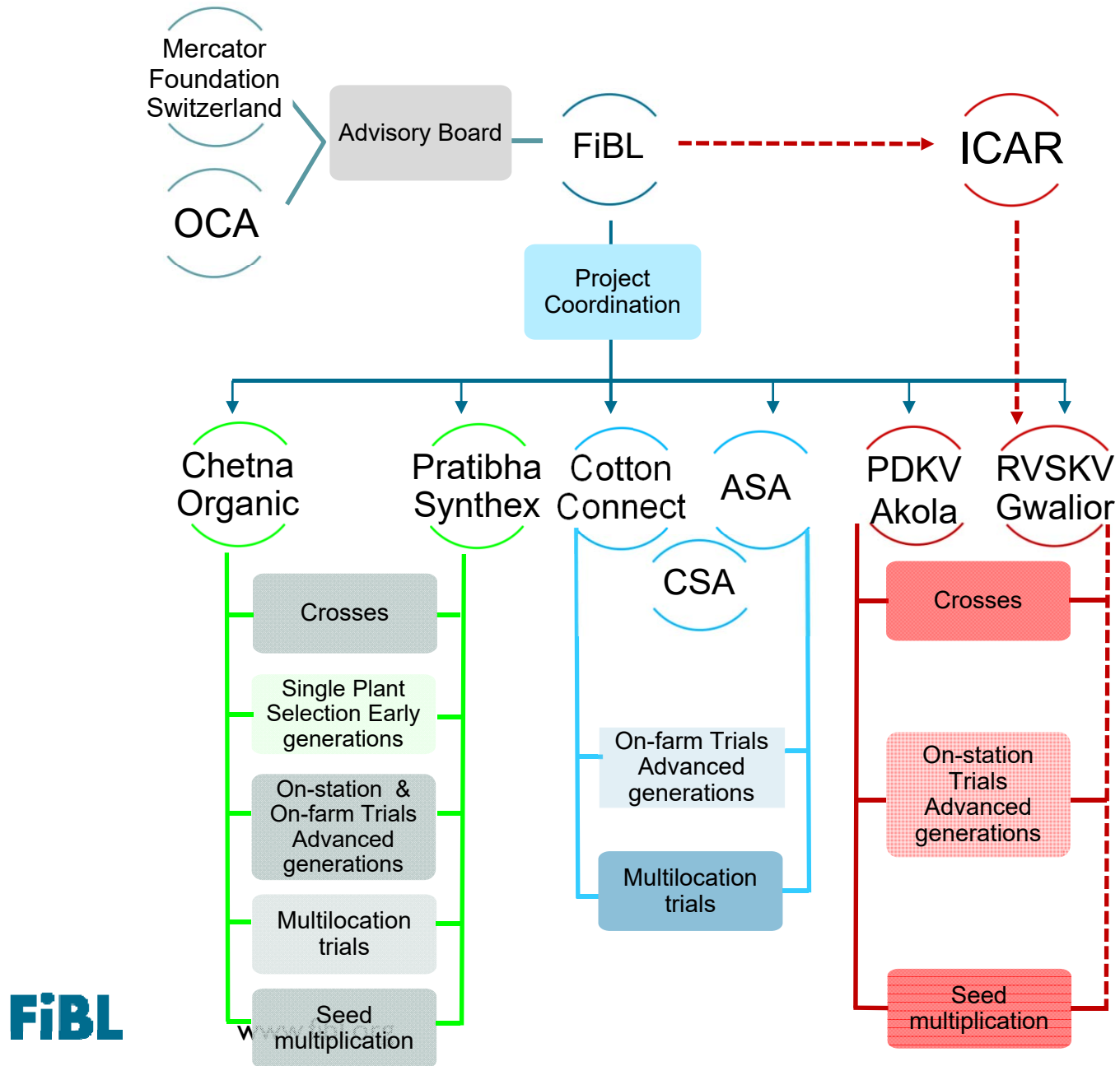
Pratibha



**FiBL**

[www.fibl.org](http://www.fibl.org)

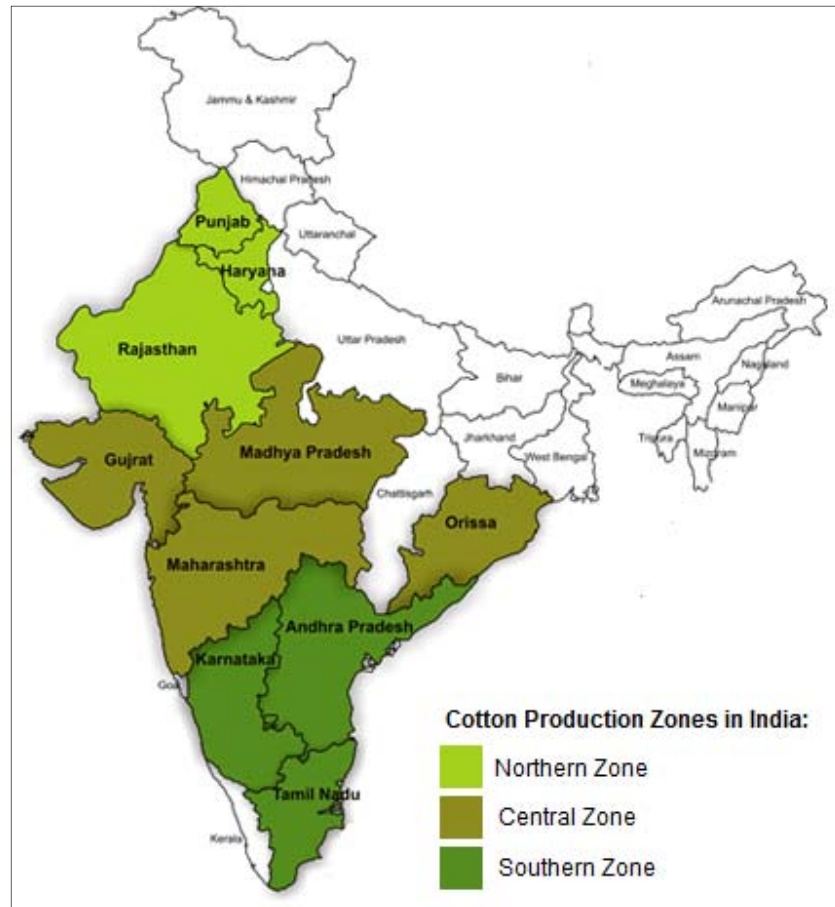
# SGF Project Governance



## MoA Status: Seeding the green Future (2018-19)

Type of Trials	PSL	Chetna	RVSKVV	ASA	CC	PDKV	CSA
<b>Status</b>	Signed	Signed	Under Process	Signed	Signed	Signed	Signed
<b>Date of Signing</b>	19-06-18	20-06-18		20-06-18	05-07-18	14-06-18	21-06-18

# Cotton growing region of India

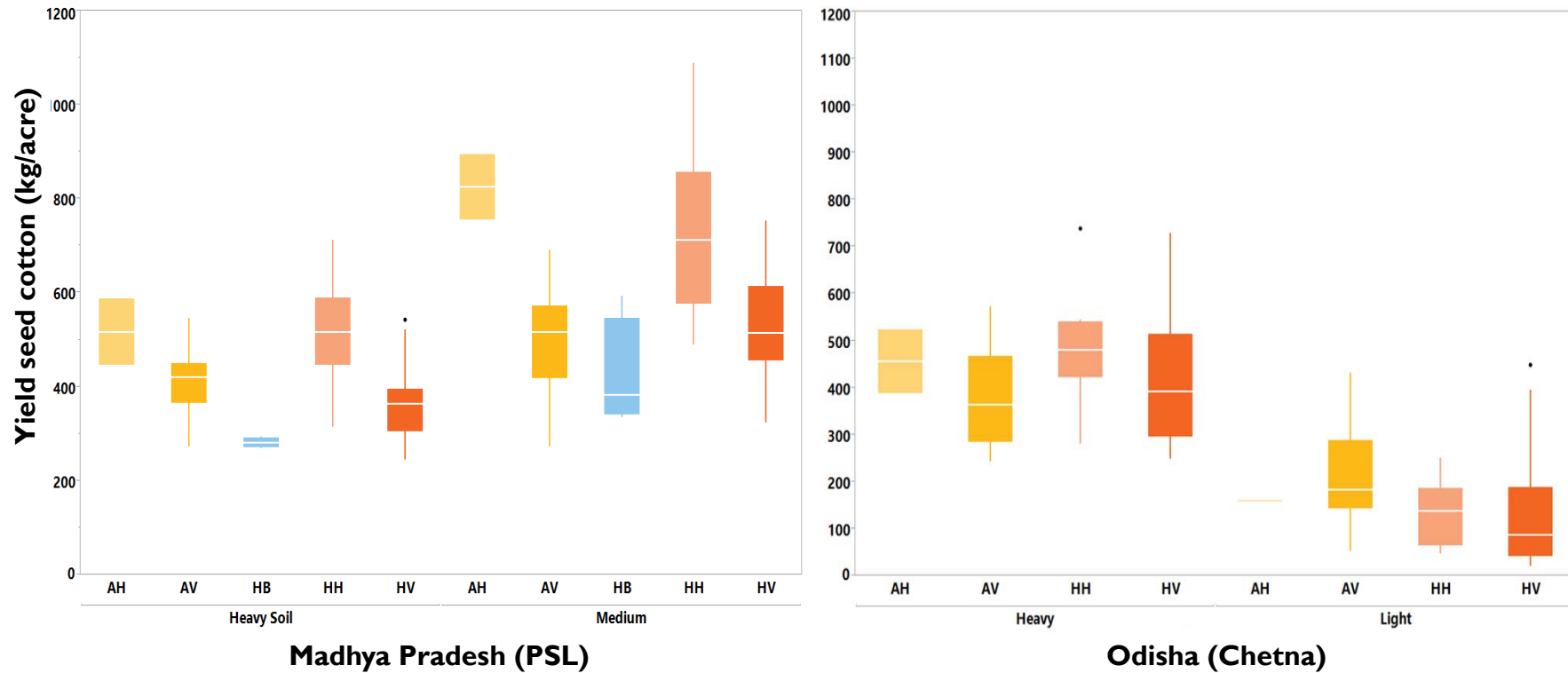


# SGF Trial Sites (2017-18)

- 1 Madhya Pradesh
- 2 Maharashtra
- 3 Odisha



# Results highlight the need for agro-ecological zone specific cultivar development for different soil and water dynamics



## Legend



***G. arboreum* (desi)**

AH: arboreum hybrid

AV: arboreum variety



***G. hirsutum* (upland)**

HH: hirsutum hybrid

HV: hirsutum variety



***G. barbadense* (egyptian)**

HB: hirsutum X  
barbadense hybrid



# Selection for next year ?

Cultivar Name	Cultivar type	Entry 2018	Average Height	Boll weight (g)	Earliness	GOT (%)	Fibre Length (mm)	Micronaire value	Yield kg/ac
Mallika NCS-207	HH	Yes	149	4.6	0.4	31	29.0	3.9	782
Nirmal-996	HH	Yes	124	3.7	0.4	33	28.6	4.0	723
Vasudha-Pratibha	HH	Yes	159	3.4	0.2	31	27.2	3.9	623
Lakshya	HV	Yes	132	3.3	0.6	31	27.6	3.7	584
AV-G11	AV	Yes	126	2.4	0.3	34	29.0	4.7	477
PA-08	AV	Yes	115	2.4	0.4	33	27.8	4.9	476
Namaskar_Gold-81	AH	Yes	137	3.0	0.6	36	27.6	5.2	671
Bunny-145	HH	Yes	125	3.4	0.2	30	30.5	3.5	603
Chetna_D11	HV	Yes	110	3.0	0.4	35	30.3	3.5	423
AV-C14	AV	Yes	131	2.1	0.1	31	29.2	3.9	320
Partech-28	HH	Yes	135	3.8	0.4	30	27.0	3.7	739
Daftari-Vaibhav	HH	Yes	122	3.3	0.1	32	29.0	3.8	540
Chetna_S1	HV	Yes	106	3.3	0.3	29	28.3	3.7	396
Chetna_J1	HV	Yes	123	3.0	0.3	33	30.2	3.5	366
MR-786	HV	No	131	3.3	0.6	34	26.6	3.7	558
Nirmal-744	HH	No	143	3.2	0.2	33	26.0	4.2	558
HH2	HH	No	132	3.4	0.4	29	26.3	3.9	543
AV-G3	AV	No	132	2.4	0.4	32	26.5	4.5	524
PA-528	AV	No	126	2.4	0.4	36	25.9	4.9	486
HH1	HH	No	133	3.0	0.5	30	26.9	3.7	476
PA-255	AV	No	129	2.3	0.5	35	26.4	4.6	474
Chetna_C7	HV	No	121	3.0	0.5	32	24.3	4.5	470
AV-G13	HV	No	120	2.9	0.3	31	25.0	3.3	458
Shankar-178	HV	No	127	3.0	0.7	31	26.0	3.8	456
PA-402	AV	No	144	2.5	0.4	32	24.4	4.5	424
Chetna_M1	HV	No	122	3.2	0.3	34	25.9	4.2	395
Super-Aarti	HB	No	160	2.9	0.1	24	34.3	3.0	369
Anjali	HV	No	92	2.8	0.3	32	26.8	3.3	352
Partech-32	HB	No	161	2.8	0.1	26	33.7	3.2	336
Suraj	HV	Check	121.0	3.2	0.4	32	30.6	3.8	438

# Entries for 2018

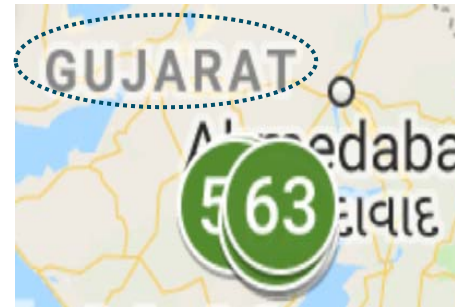
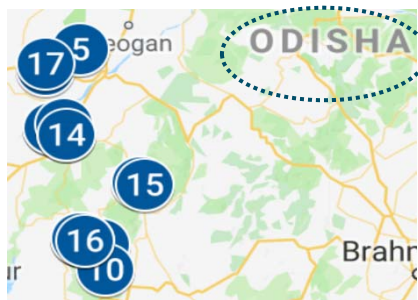
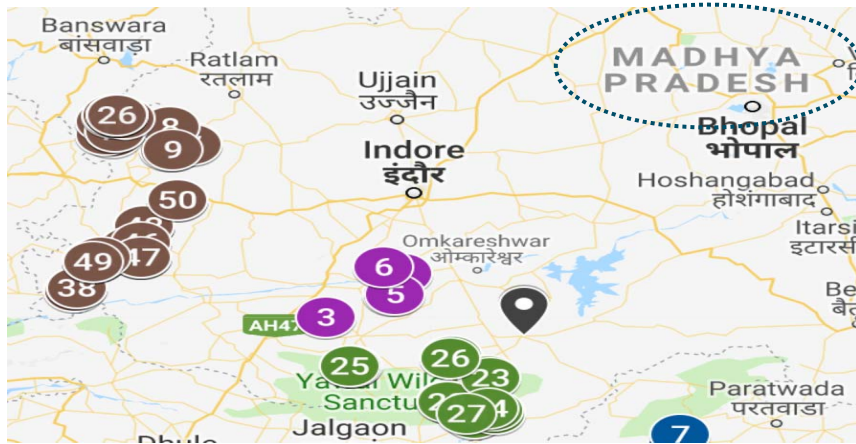
Sr No	unique cultivar no.	Cultivar name	Type of cultivar	Breeder	Source of Seed for 2018
1	SGF_001	Namaskar_Gold-81	AH	Green Gold Seeds MA	Pratibha Syntex Ltd
2	SGF_003	AV-G11	AV	Chetna	Pratibha Syntex Ltd
3	SGF_005	PA-08	AV	Vasant Rao Naik University , Parbhani	Pratibha Syntex Ltd
4	SGF_008	AV-C14	AV	Chetna	Pratibha Syntex Ltd
5	SGF_301	Suraj (check for on farm)	HV	CICR, Bloom Biotech	Pratibha Syntex Ltd
6	SGF_302	Shankar-178	HV	Jaishankar Seeds	Pratibha Syntex Ltd
7	SGF_303	Chetna_J1	HV	Chetna	Pratibha Syntex Ltd
8	SGF_305	Chetna_D11	HV	Chetna	Pratibha Syntex Ltd
9	SGF_306	Chetna_S1	HV	Chetna	Pratibha Syntex Ltd
10	SGF_308	Anjali	HV	Bloom Biotech	Pratibha Syntex Ltd
11	SGF_701	Mallika NCS-207 (ceck for on farm)	HH	Nuziveedu Seeds	Pratibha Syntex Ltd
12	SGF_702	HH1	HH	bioRe	Pratibha Syntex Ltd
13	SGF_704	Partech-28	HH	Partech Seeds	Pratibha Syntex Ltd
14	SGF_309	Lakshya	HV	Luxmi seeds	Pratibha Syntex Ltd
15	SGF_705	Nirmal-996	HH	Nirmal Seed	Pratibha Syntex Ltd
16	SGF_706	Daftari_Vaibhav	HH	Daftari Seed	Pratibha Syntex Ltd
17	SGF_709	Bunny-145	HH	Nuziveedu Seed	Pratibha Syntex Ltd
18	SGF_717	VCH-3	HH	Pratibha Syntex Ltd	Pratibha Syntex Ltd
19	SGF_707	Partech-29	HH	Partech Seeds	Pratibha Syntex Ltd
20	SGF_708	Partech-30	HH	Partech Seeds	Pratibha Syntex Ltd
21	SGF_718	Bhakti-245	HH	Nuziveedu seeds	Pratibha Syntex Ltd
22	SGF_719	Raja-954	HH	Nuziveedu seeds	Pratibha Syntex Ltd
23	SGF_720	Bond -867	HH	Nuziveedu seeds	Pratibha Syntex Ltd
24	SGF_721	Malini-9015	HH	Nuziveedu seeds	Pratibha Syntex Ltd
25	SGF_722	Parshwa-101	HH	Parshwa Seeds	Pratibha Syntex Ltd

# SGF Trial Sites (2018-19) 150 trials

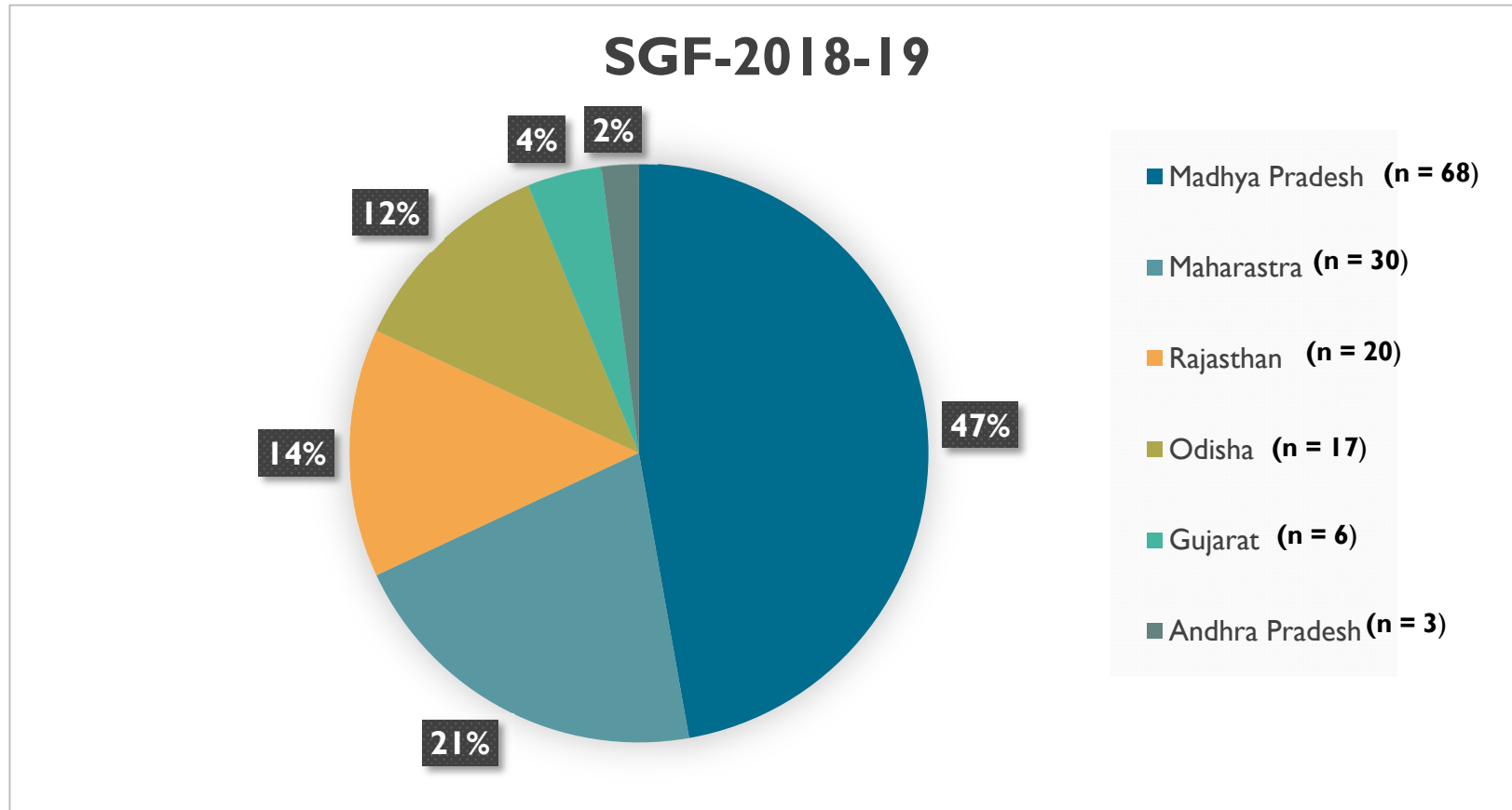
- 1 Madhya Pradesh
- 2 Maharashtra
- 3 Rajasthan
- 4 Odisha
- 5 Gujarat
- 6 Andhra Pradesh



# Seeding the Green Future Trial Locations (2018-19)



## Percent Distribution of Trials Across Different States



# Open day FiBL (19<sup>th</sup> August 2018)



# Biofach 2018



# Organic Cotton Round Table 2018 Milano





# Diversifood



Participatory ideotyping for organic and locally adapted wheat variety mixtures  
*by Emma Forst, INRA, France*

Seeding the Green Future – Participatory organic cotton breeding  
*by Monika Messmer, Fibl, Switzerland*

LIVESEED boosting organic seed and plant breeding across Europe  
*by Monika Messmer, Fibl, Switzerland*

Paradigm shift for multi-actor and transdisciplinary research  
*Veronique Chable, INRA, France*

Roundtable & plenary discussion

Outlook for 2019

**Green Thread Organic and Fair from seed to T shirt**  
(10<sup>th</sup> August – 29<sup>th</sup> September 2019)



Outlook for 2019

## **International Conference on Participatory Research**

28<sup>th</sup> – 29<sup>th</sup> of August, 2019

Botanical Garden University of Zürich, Switzerland



Outlook for 2019

## **Global Organic Convention-Golden Jubilee PDKV Akola**

10<sup>th</sup> – 12<sup>th</sup> of September, 2019  
Collage of Agriculture Nagpur



## Outlook for 2019

Cultivar evaluation trials, baby and pilot trials will be conducted as planned with current partners

Efforts to collect non-GM germplasm will continue

More Advance generation trials at more Government organization for cultivar release are foreseen

## **Outlook for 2019 (depending upon new funding)**

**Experiment on water and N efficiencies of different cotton cultivars**

**Studies on abiotic and biotic stresses in control environment**

**New States in Focus :**

**Karnataka (South Zone)**

**Punjab (North Zone)**

## Motion 6 I

Organic Textiles: Fibre Production and Processing to be Covered by Appropriate Standards

Motion:

Textiles advertised/labelled 'organic' and made with organic fibres produced according to recognized standards (e.g. IFOAM Family of Standards), should also be processed to a standard (endorsed by IFOAM - Organics International) that prohibits hazardous and residual inputs according to a clear procedure.

IFOAM - Organics International acknowledges that such standards should cover the whole supply chain (as is the case with food). Stating the organic fibre content ("contains X% organic cotton"), e.g. through the Organic Content Standard by Textile Exchange, is a relevant step. products.

## Motion 6 I

Organic Textiles: Fibre Production and Processing to be Covered by Appropriate Standards

IFOAM - Organics International will communicate this to stakeholders and engage with them for the widespread adoption of a whole-chain-approach (chain of custody) to labelling organic textile

Recommendation from the World Board:

The World Board recommends voting YES.



# Seeding the Green Future

## Team



## Supporters

**STIFTUNG  
MERCATOR  
SCHWEIZ**



**FiBL**

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## Partners

**FiBL**



**COTTON  
CONNECT**  
TRANSFORMING THE WORLD'S COTTON FOR GOOD.



**Pratibha**

