Message to the Policy makers about alarming Situation of the NARS

By

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SLCARP

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- Human Resources
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Introduction

Mandatory functions

- As the Apex body for the Agricultural Research of the National Agricultural Research System, SLCARP has to advise the Government on all matters regarding the organization, co-ordination, planning and execution of Agricultural Research.
- In addition, SLCARP has to make recommendations to the appropriate authorities on the financial, man power and physical resources required by agricultural research institutions and establishments and terms and conditions of service of the staff of such institutions and establishment.

- To support above mandatory functions SLCARP manage a data based call INFORM- Information for Agricultural Research Managers.

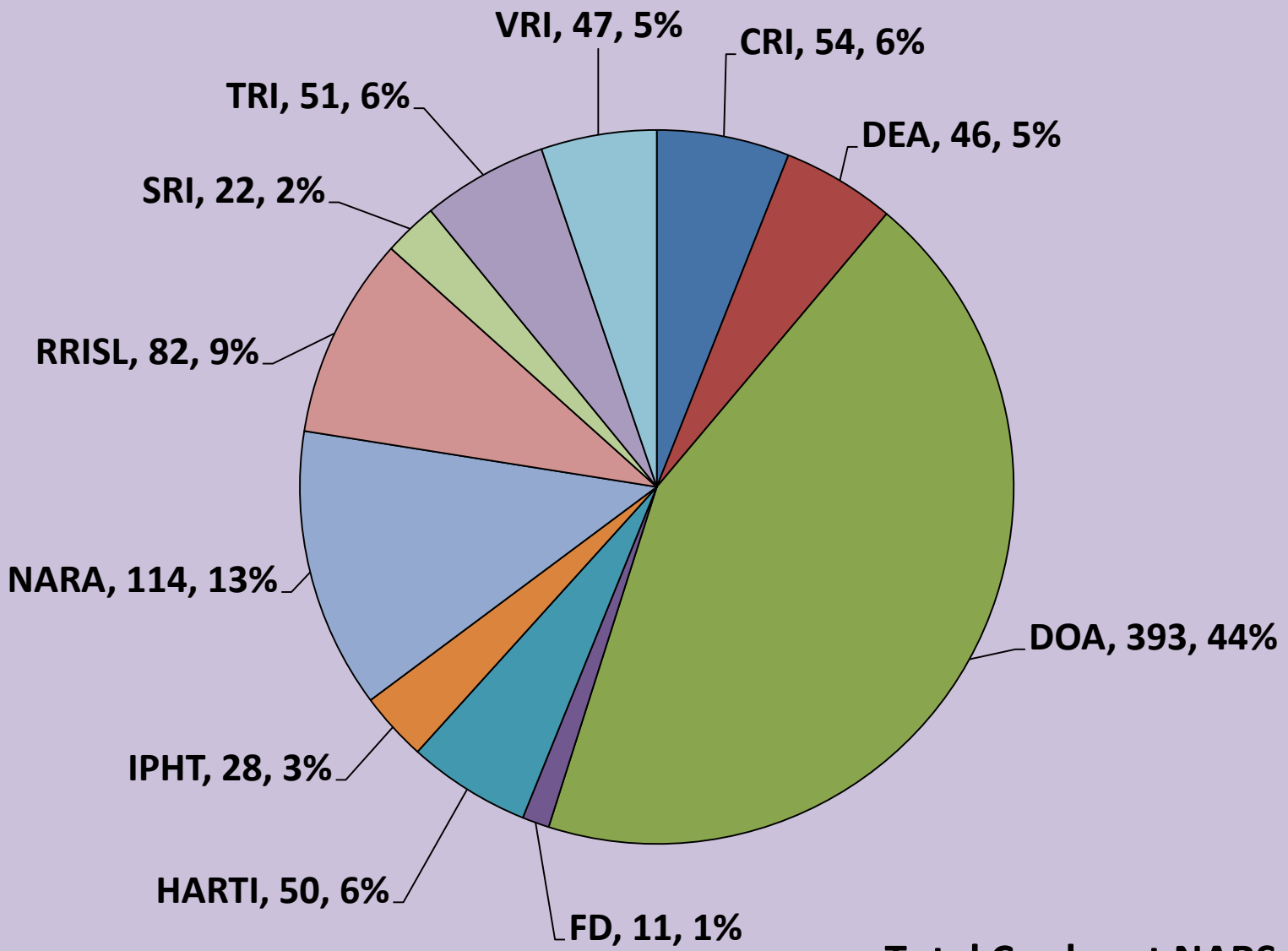
- This database collect and analyze information on Human Resource, Financial Resources and Research programmes

- Hence the objective of this presentation is to give a message on some alarming situations of Human Resource, Financial Resources and Research programmes

Scientists Carder & Vacancies at NARS-2016

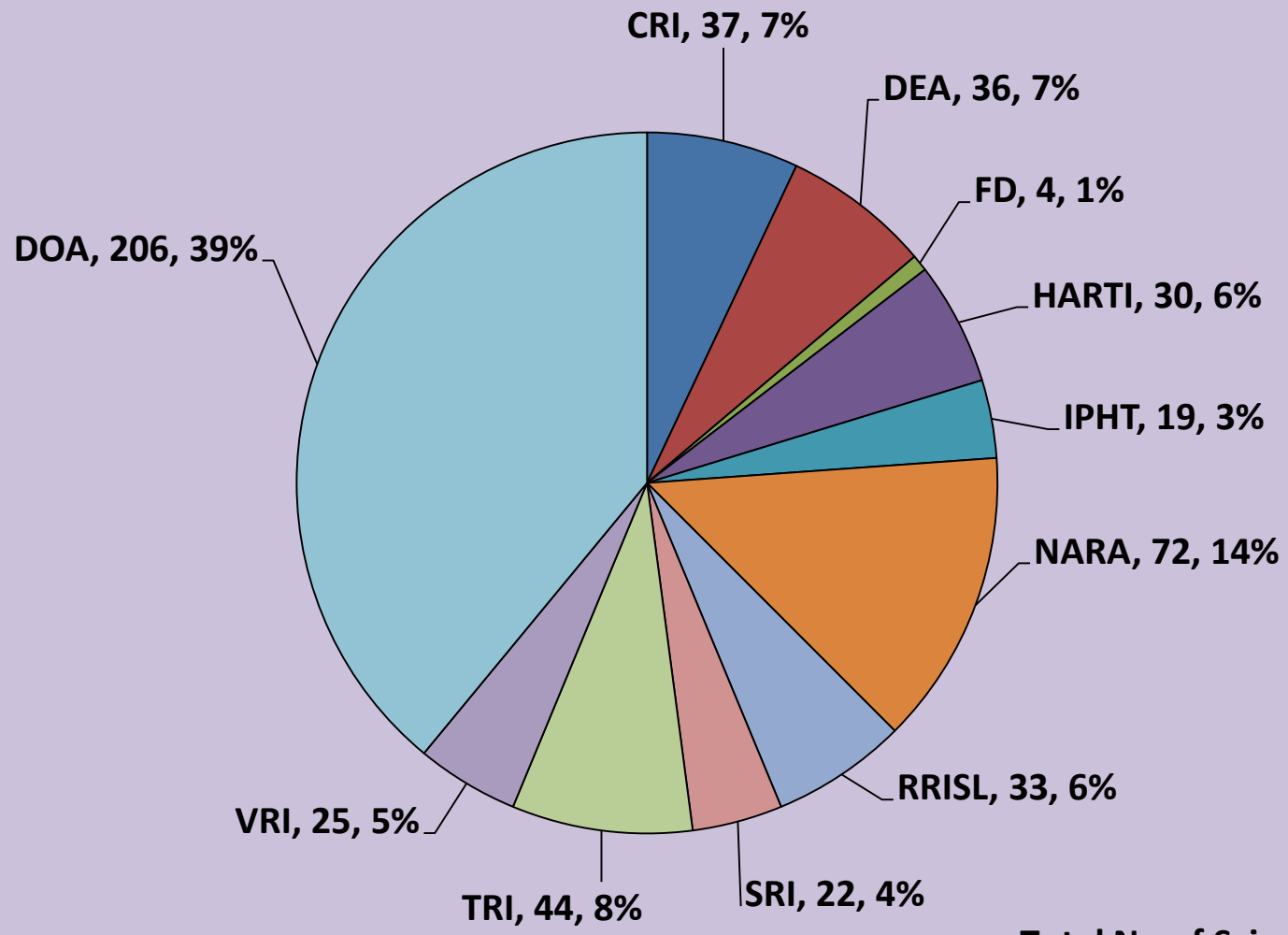
Institution	No. Scientists				
	Approved	Filled	Vacant	% Filled	% Vacant
Coconut Research Institute	54	37	17	69	31
Department of Export Agriculture	46	36	10	78	22
Department of Agriculture	393	206	187	52	48
Forest Department	11	4	7	36	64
Hector Kobbekaduwa Agrarian Research & Training Institute	50	30	20	60	40
Institute of Post Harvest Technology	28	19	9	68	32
National Aquatic Resources Research & Development Agency	114	72	42	63	37
Rubber Research Institute	82	33	49	40	60
Sugarcane Research Institute	22	22	0	100	0
Tea Research Institute	51	44	6	86	14
Veterinary Research Institute	47	25	22	53	47
Total	898	528	370	59	41

No & % of Carder by Institution at NARS -2016



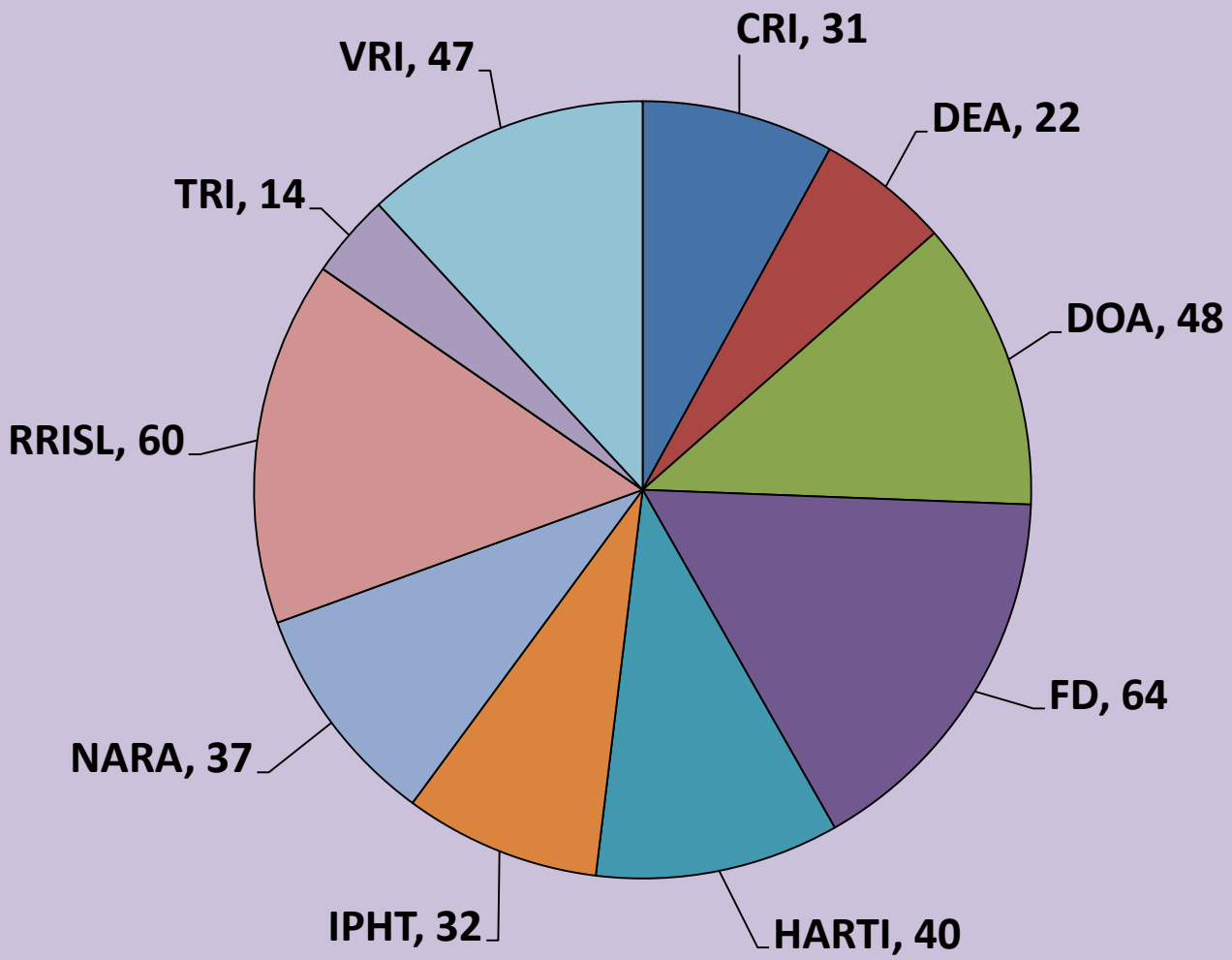
Total Carder at NARS : 898

No of Scientists employed by Institution at NARS -2016

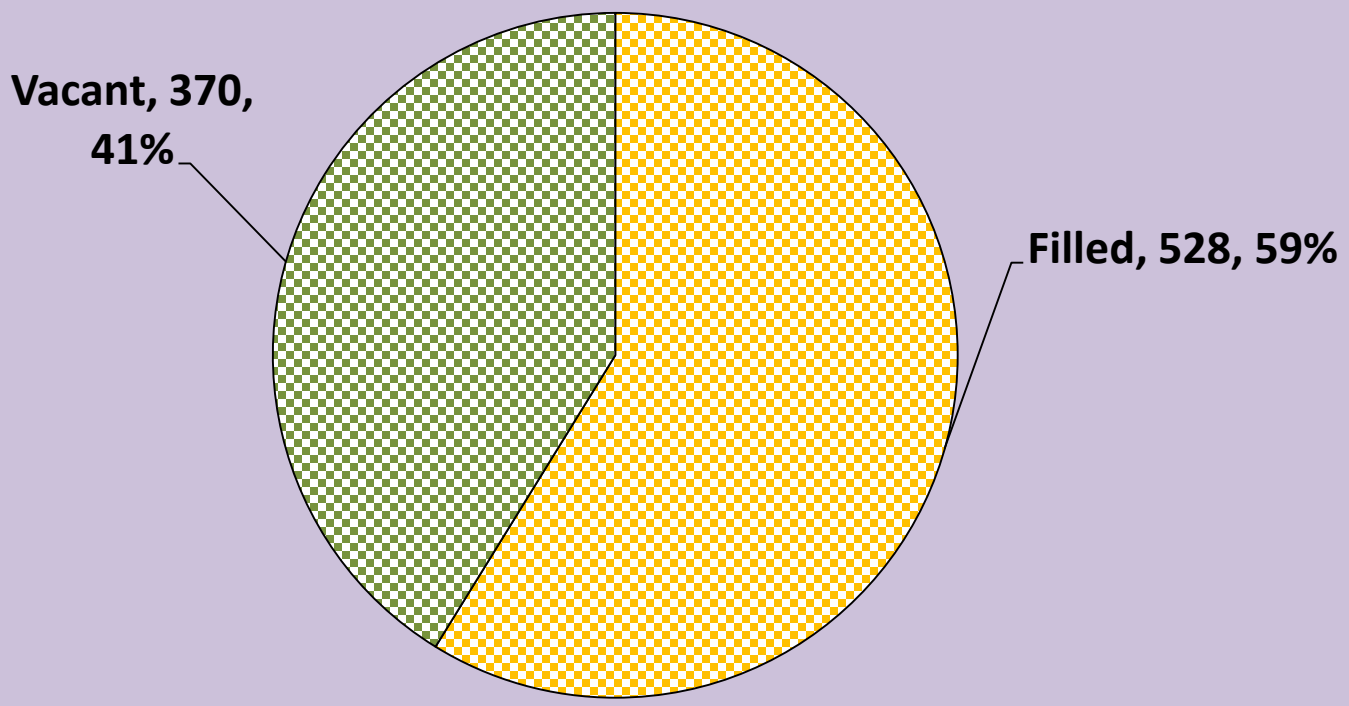


Total No of Scientists : 528

% Vacancy at NARS Institution based on their Carder



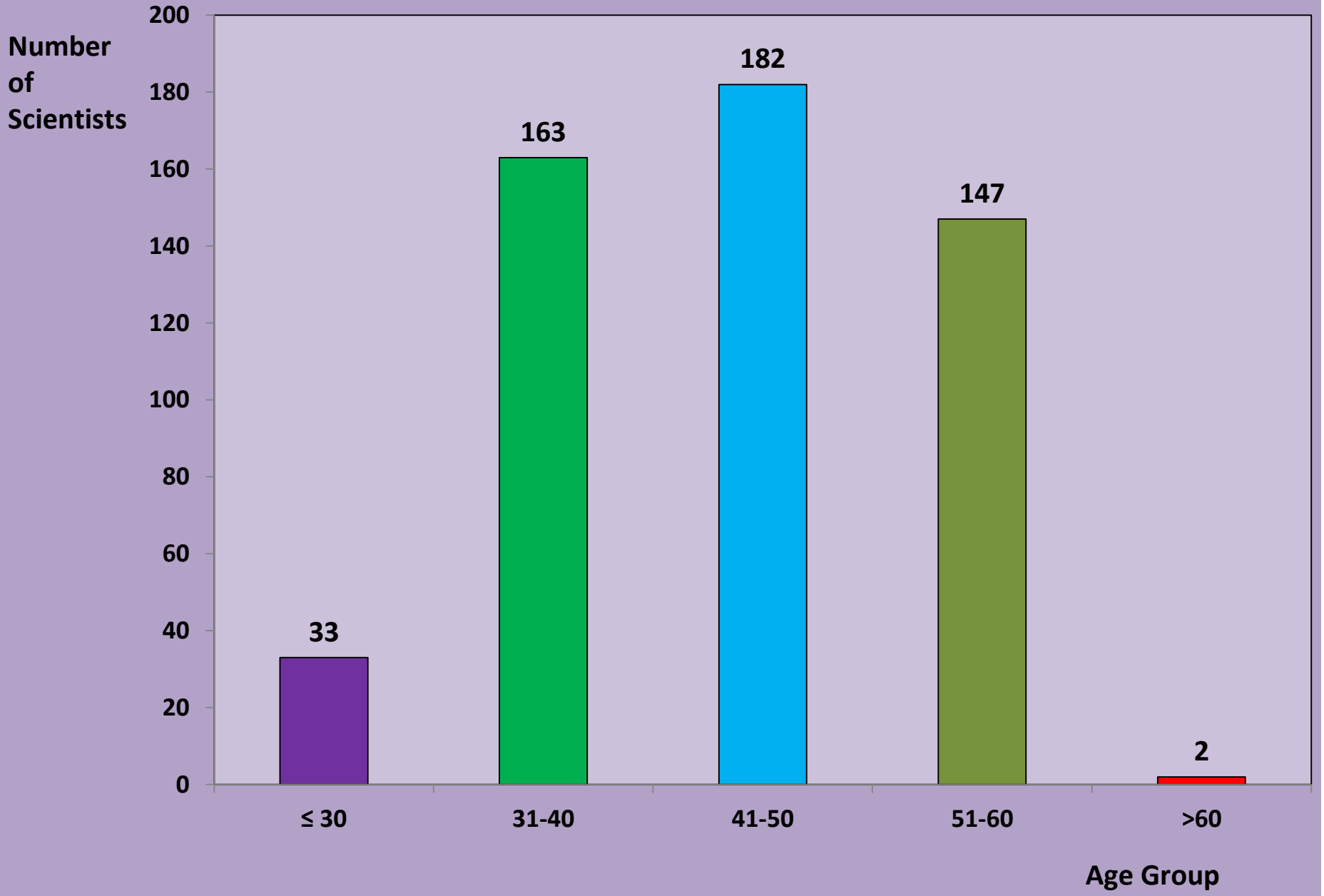
No. of Scientists Filled & Vacant at NARS -2016

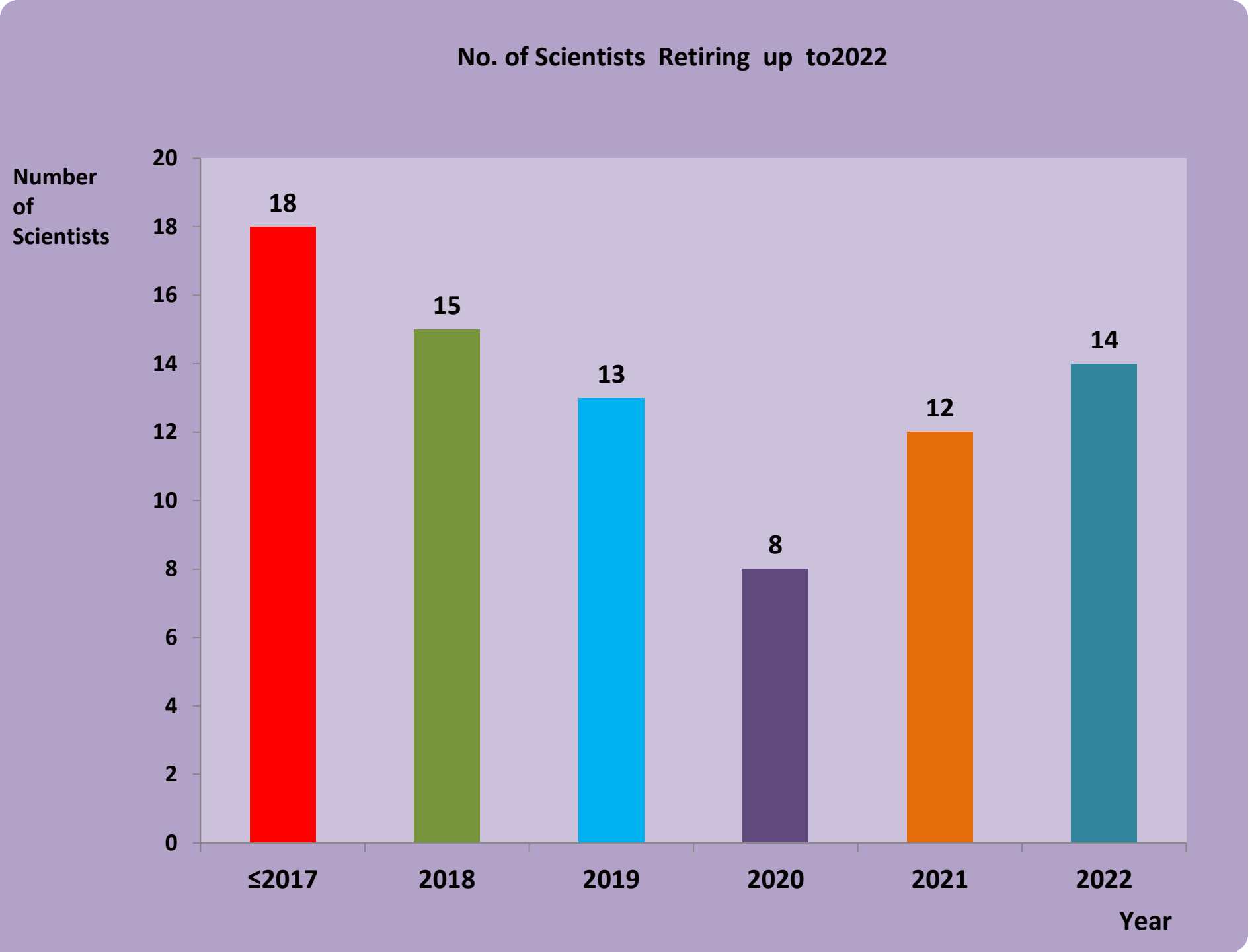


Consider Recruiting of Scientists

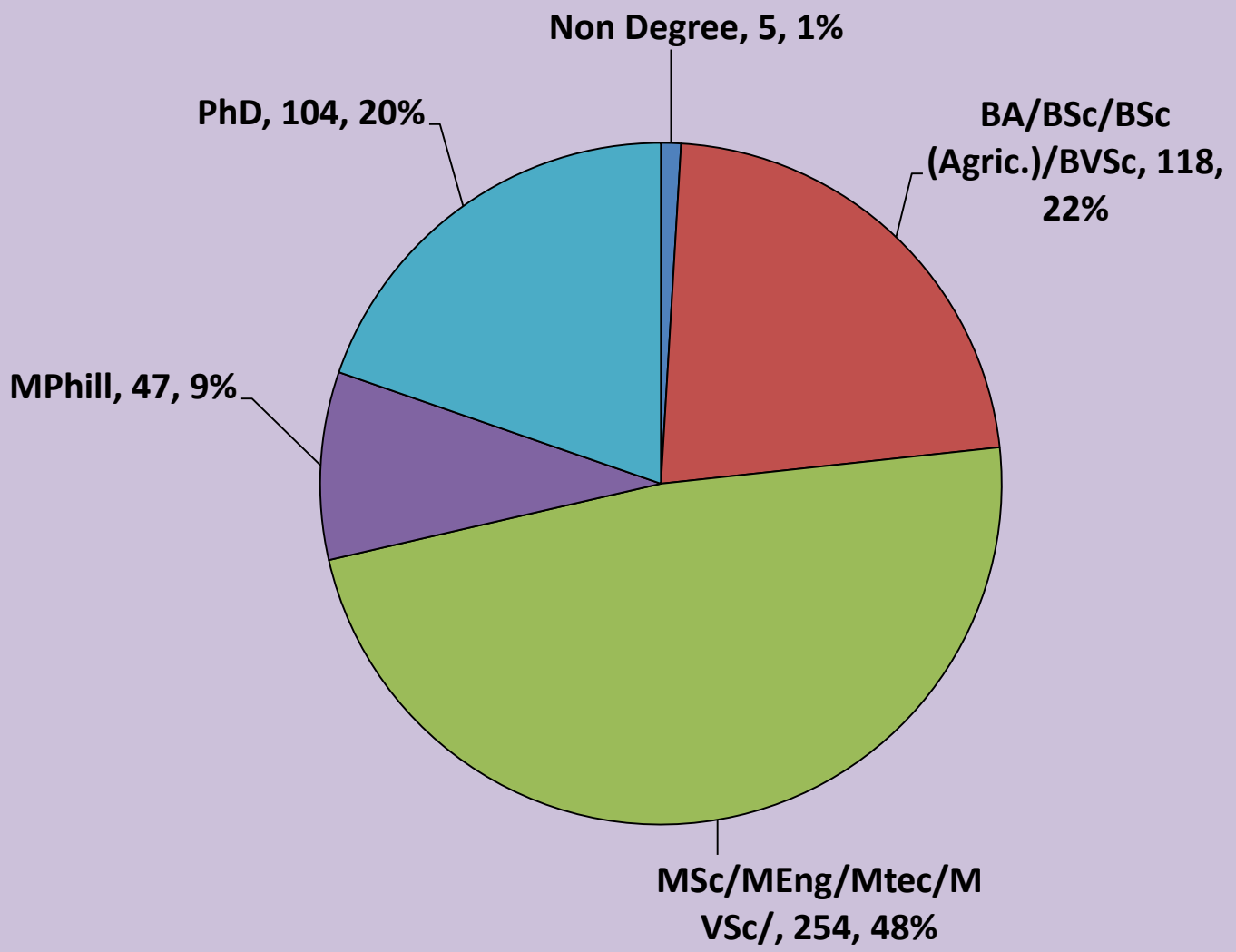
Total Carder : 898

Age Distribution at NARS -2016




No. of Scientists Retiring up to2022
Number of Scientists
20
18
16
14
12
10
8
6
4
2
0
18
15
13
8
12
14
≤2017
2018
2019
2020
2021
2022
Year

No of Scientists by Hi. Ac. Qual. -2016 at NARS



Total No of Scientists: 528

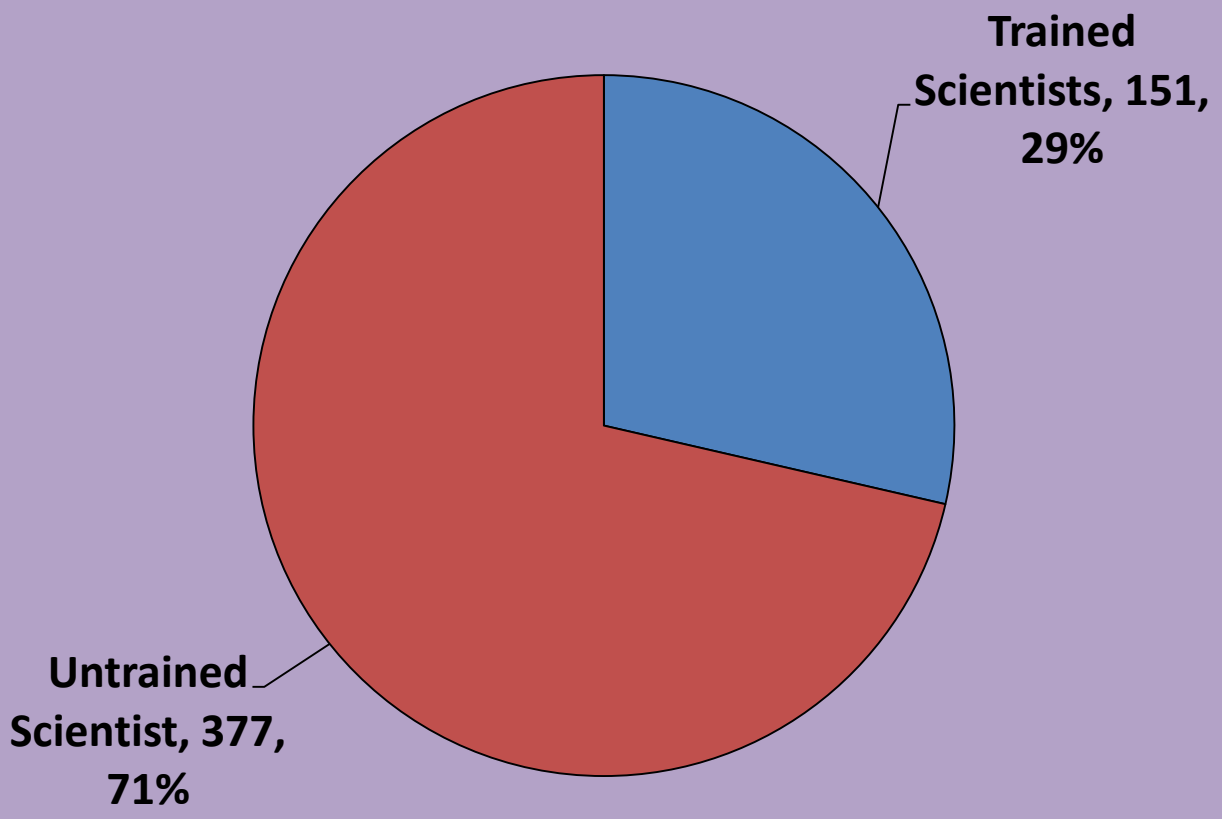
No of Scientists by HAQ at NARS Institution

Institution	No of Scientists					
	Non Degree	Bachlor	Master	MPhil	PhD.	Total
CRI	0	10	5	3	19	**37**
DEA	0	12	16	4	4	**36**
DOA	4	42	125	10	25	**206**
FD	0	0	3	1	0	**4**
HARTI	0	8	18	2	2	**30**
IPHT	0	2	10	4	3	**19**
NARA	0	9	44	8	11	**72**
RRISL	1	16	3	2	11	**33**
SRI	0	7	5	5	5	**22**
TRI	0	10	14	6	14	**44**
VRI	0	2	11	2	10	**25**
Total	**5**	**118**	**254**	**47**	**104**	**528**

No of Trained & Untrained Scientists by Discipline at NARS -2016

DISCIPLINE	Untrained Scientists		Trained Scientists	
	Number	%	Total No.	%
Agric. Biotechnology	13	2	7	1
Agric. Engineering	5	1	2	0
Agricultural Services	21	4	4	1
Animal Prod. & Health	11	2	12	2
Aquatic Science & Fisheries	21	4	13	2
Biochemistry	3	1	0	0
Crop Improvement	60	11	20	4
Crop Physiology	3	1	5	1
Crop Production	36	7	13	2
Crop Protection	53	10	16	3
Environmental Science	9	2	0	0
Food Science	9	2	6	1
Information Technology	5	1	1	0
Microbiology	1	0	0	0
Natural Resources Mgt	17	3	5	1
Post Harvest Technology	32	6	14	3
Research Management	2	0	6	1
Scientific Methods	1	0	2	0
Socio Economics	45	9	11	2
Soil science	30	6	14	3
Total Scientists	377	71	151	29

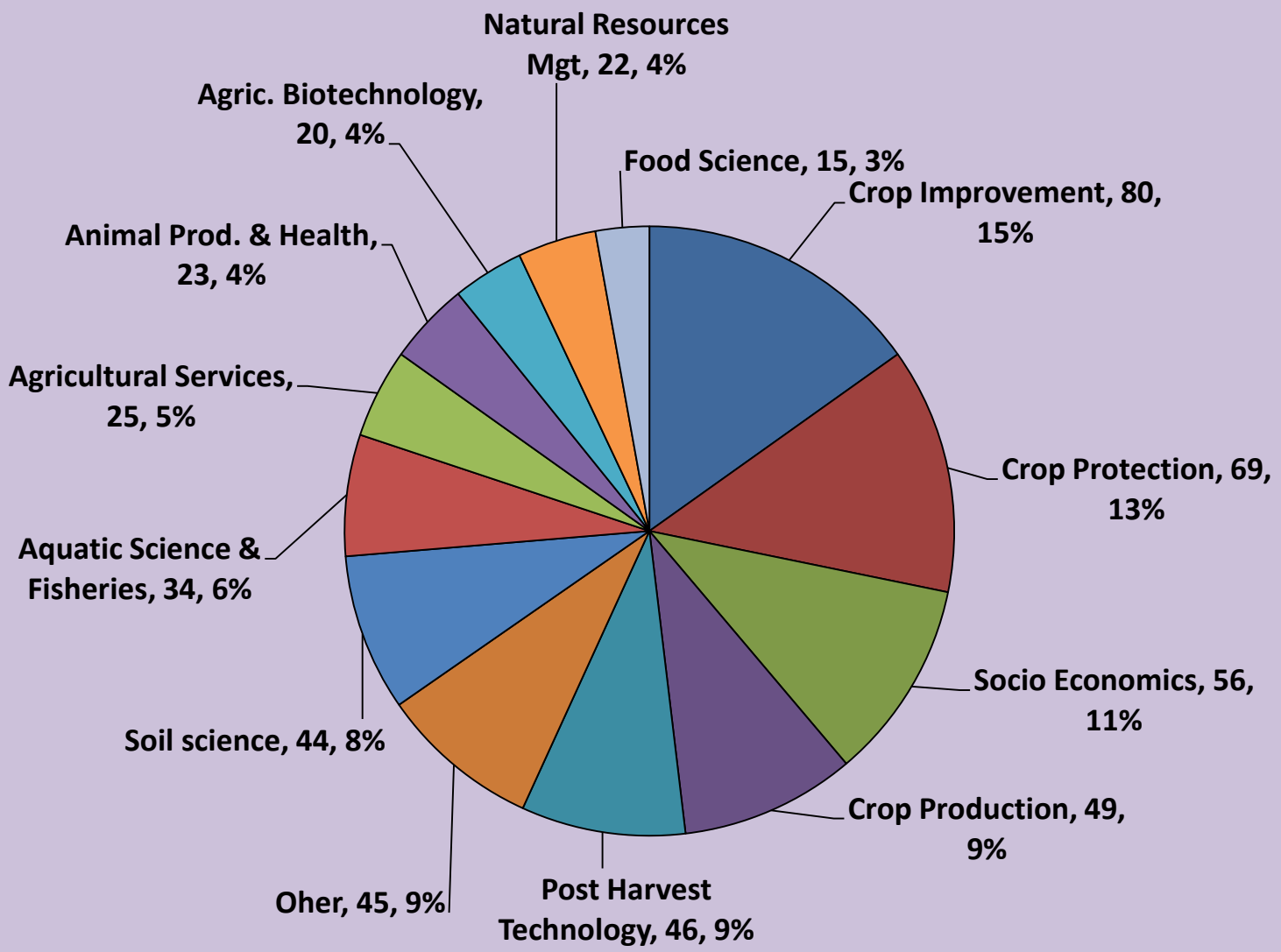
No of Scientists Trained & Untrained at NARS -2016



Consider Training of Scientists

Total No: 528

No of Scientists by Discipline-2016 at NARS



Total No of Scientists: 528

Number of Scientists by Discipline at NARS

Consider Recruiting & Training of Scientists Disciplines with less numbers

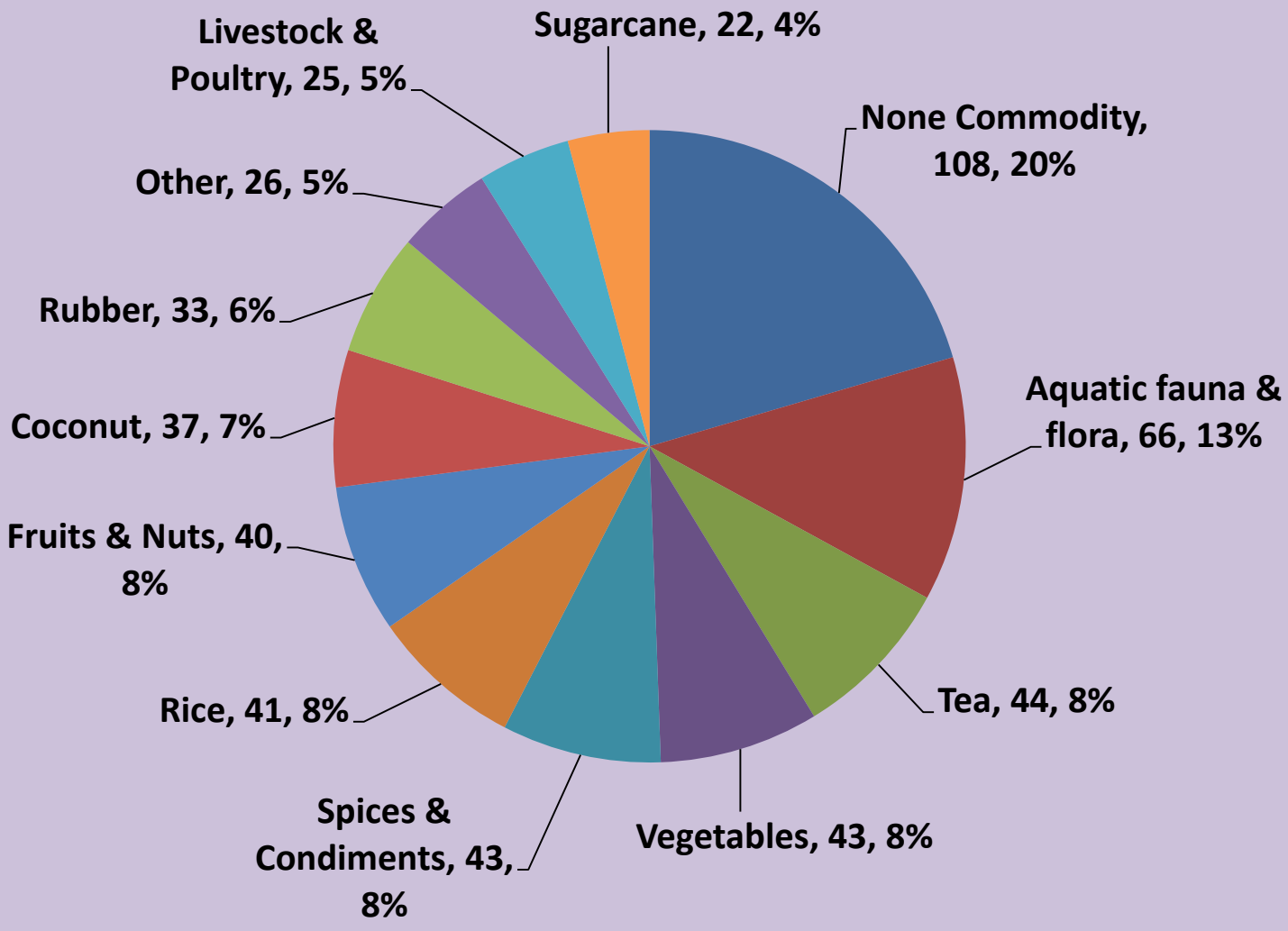
DISCIPLINE	No. Of Scientists
Crop Improvement	80
Crop Protection	69
Socio Economics	56
Crop Production	49
Post Harvest Technology	46
Soil science	44
Aquatic Science & Fisheries	34
Agricultural Services	25
Animal Prod. & Health	23
Natural Resources Mgt	22
Agric. Biotechnology	20
Food Science	15
Environmental Science	9
Research Management	8
Crop Physiology	8
Agric. Engineering	7
Information Technology	6
Scientific Methods	3
Biochemistry	3
Microbiology	1
Total	528

No of Scientists by Commodity Group-2016 at NARS

Consider Reallocation of Scientists among different Commodity Group (DOA)

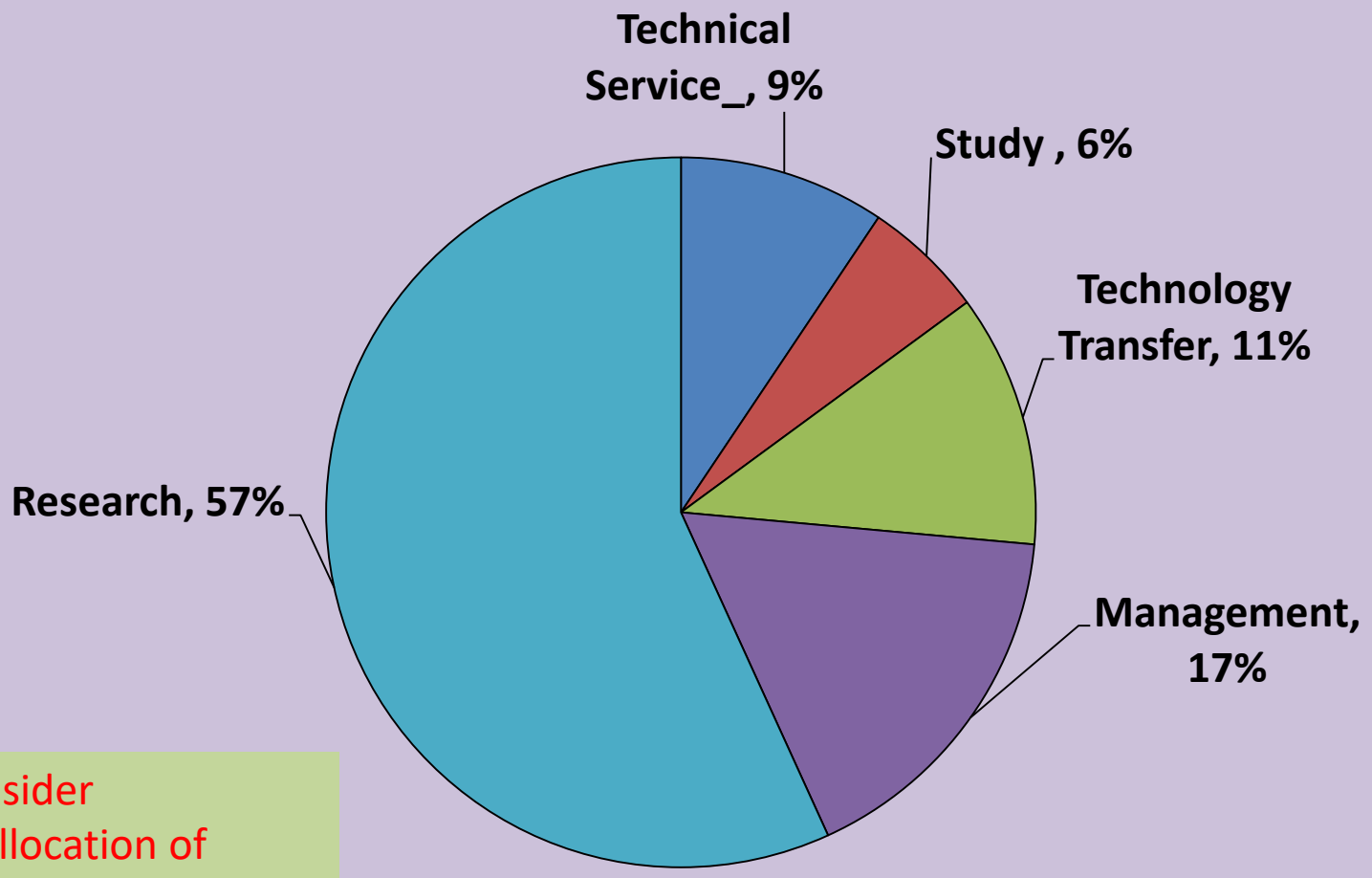
COMODITY GROUP	No of Scientists
None Commodity	108
Aquatic fauna & flora	66
Tea	44
Vegetables	43
Spices & Condiments	43
Rice	41
Fruits & Nuts	40
Rubber	33
Coconut	37
Livestock & Poultry	25
Sugarcane	22
Grain legumes	6
Roots & Tubers	5
Course Grains	5
Ornamental Plants	3
Forestry	3
Oilseeds	2
Coffee	2
Total	528

No of Scientists by Commodity Group at NARS



Total No of Scientists : 528

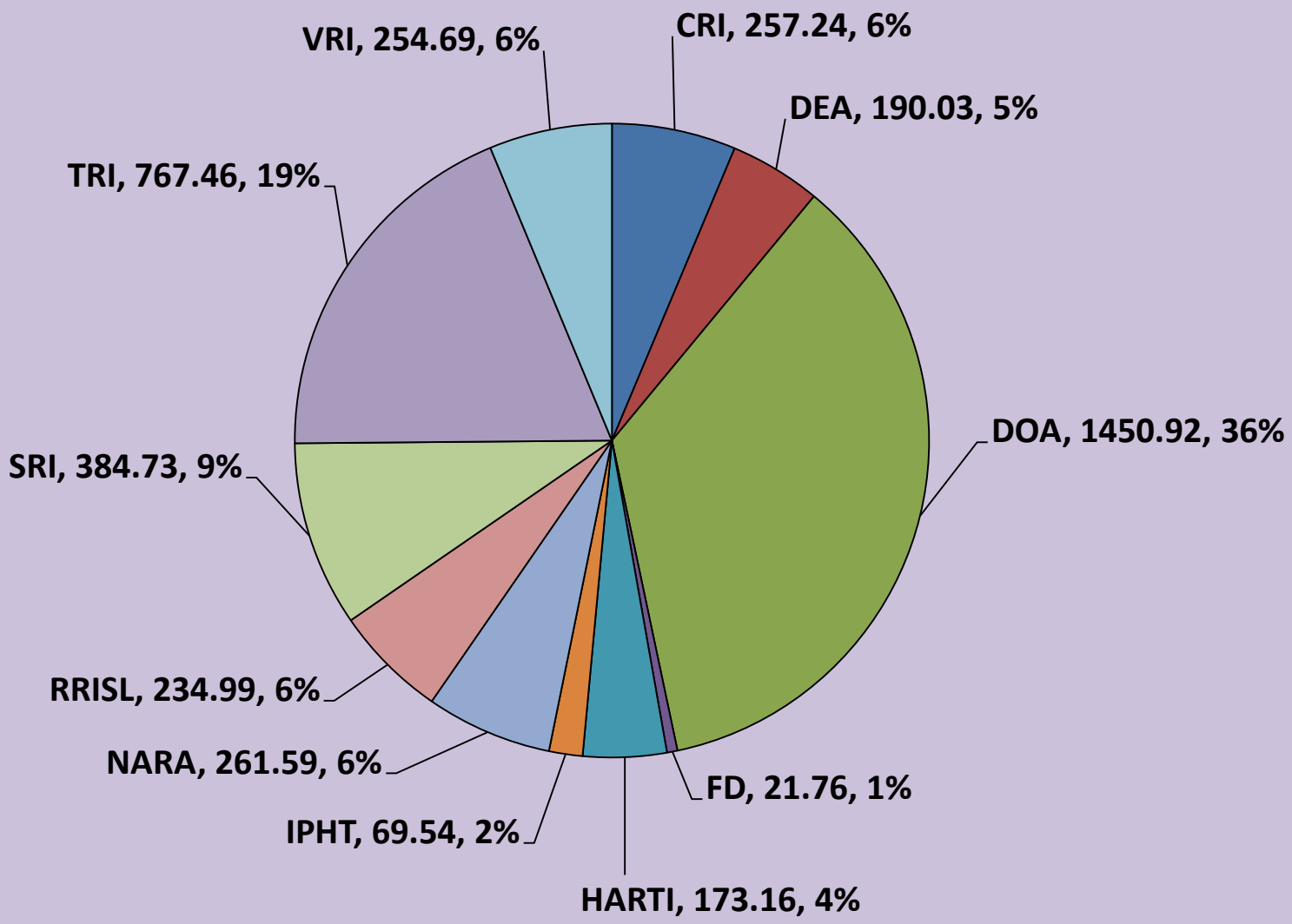
Scientists' Time Allocation at NARS



Consider Reallocation of Scientists Time in Technology Transfer & Study

Total time: 52800

Research Cost by Institution at NARS -2016



Total Cost: Rs. M 4066.11

Research Investments (Recurrent) by Commodity Group at NARS

Consider Reallocation of Funds in Commodity Group with less investments

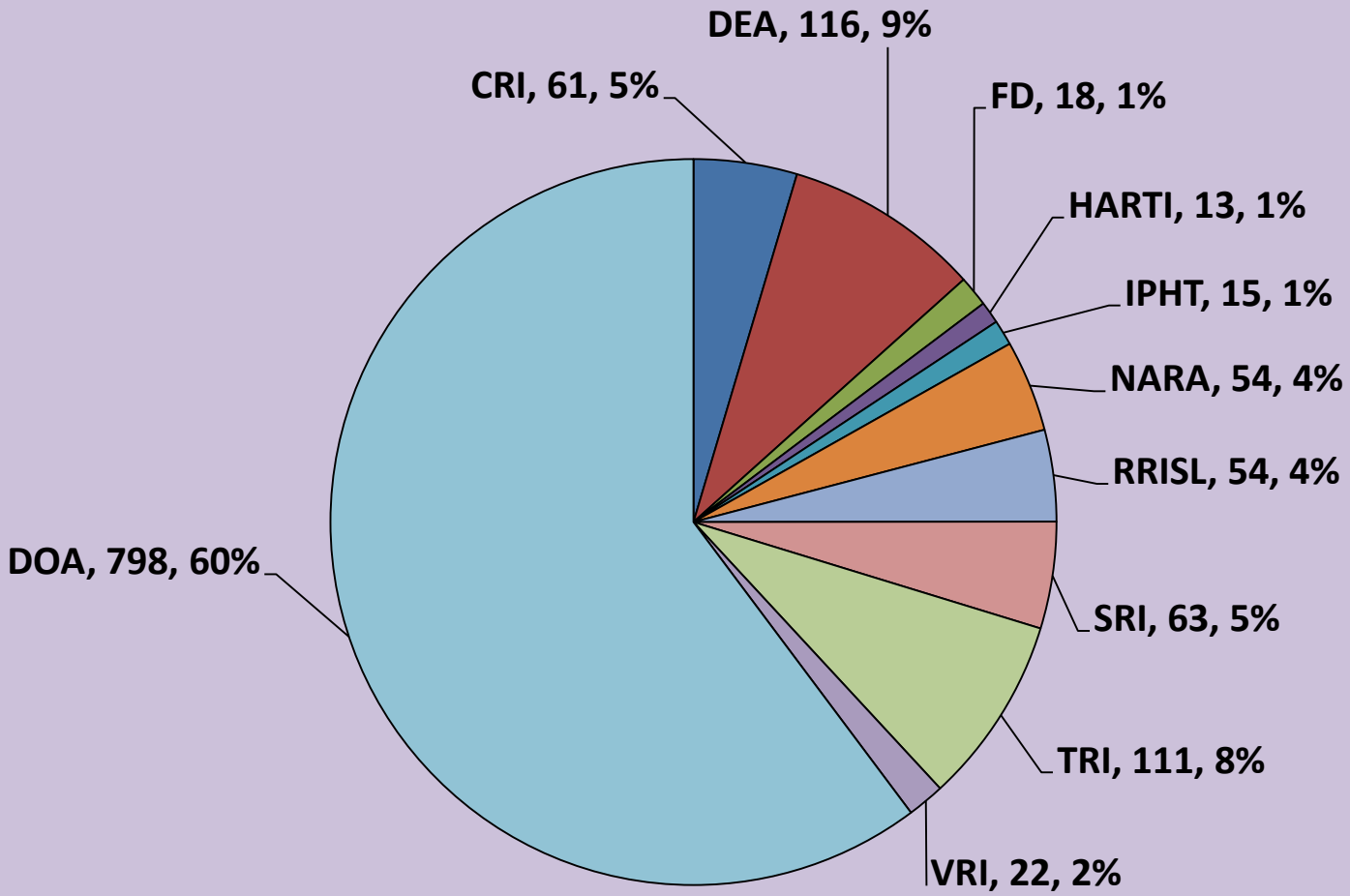
Cost by Commodity Group at NARS -2016	
COMODITY GROUP	**Budget (Rs. Mn)**
Food Crops	9.27
Forestry	21.76
Ornamental Crops	32.34
Coffee	40.99
Oilseeds	42.12
Grain Legumes	49.46
Course Grains	62.14
Roots & Tubers	96.75
Aquatic fauna & flora	196.38
Rubber	234.99
Rice	238.83
Livestock	254.69
Coconut	257.24
Fruits & Nuts	263.71
Vegetables	289.29
Spices & Condiments	340.07
Sugarcane	384.73
None Commodity	483.88
Tea	767.46
Total	**4066.11**

Research Investments (Recurrent) by Discipline at NARS

Consider Reallocation of Funds in Disciplines with less investments

Cost by Discipline at NARS -2016	
Discipline	**Total Cost (Rs. M)**
Crop Improvement	830.10
Crop Protection	712.27
Crop Production	390.62
Soil Science	367.32
Post Harvest Technology	262.63
Socio Economics	258.68
Animal Prod. & Health	242.51
Food Science	241.60
Aquatic Science & Fisheries	135.41
Agric. Biotechnology	135.38
Agricultural Services	113.48
Crop Physiology	79.56
Natural Resources Mgt	72.97
Agric. Engineering	68.47
Environmental Science	61.64
Information Technology	48.37
Biochemistry	18.03
Scientific Methods	14.60
Microbiology	6.63
Postharvest Technology	2.94
Research Management	2.37
Silviculture	0.53
Total	4066.11

No. of Projects by Institute at NARS



Total No of Projects: 1325

Consider at Research Planning in Disciplines with less investments

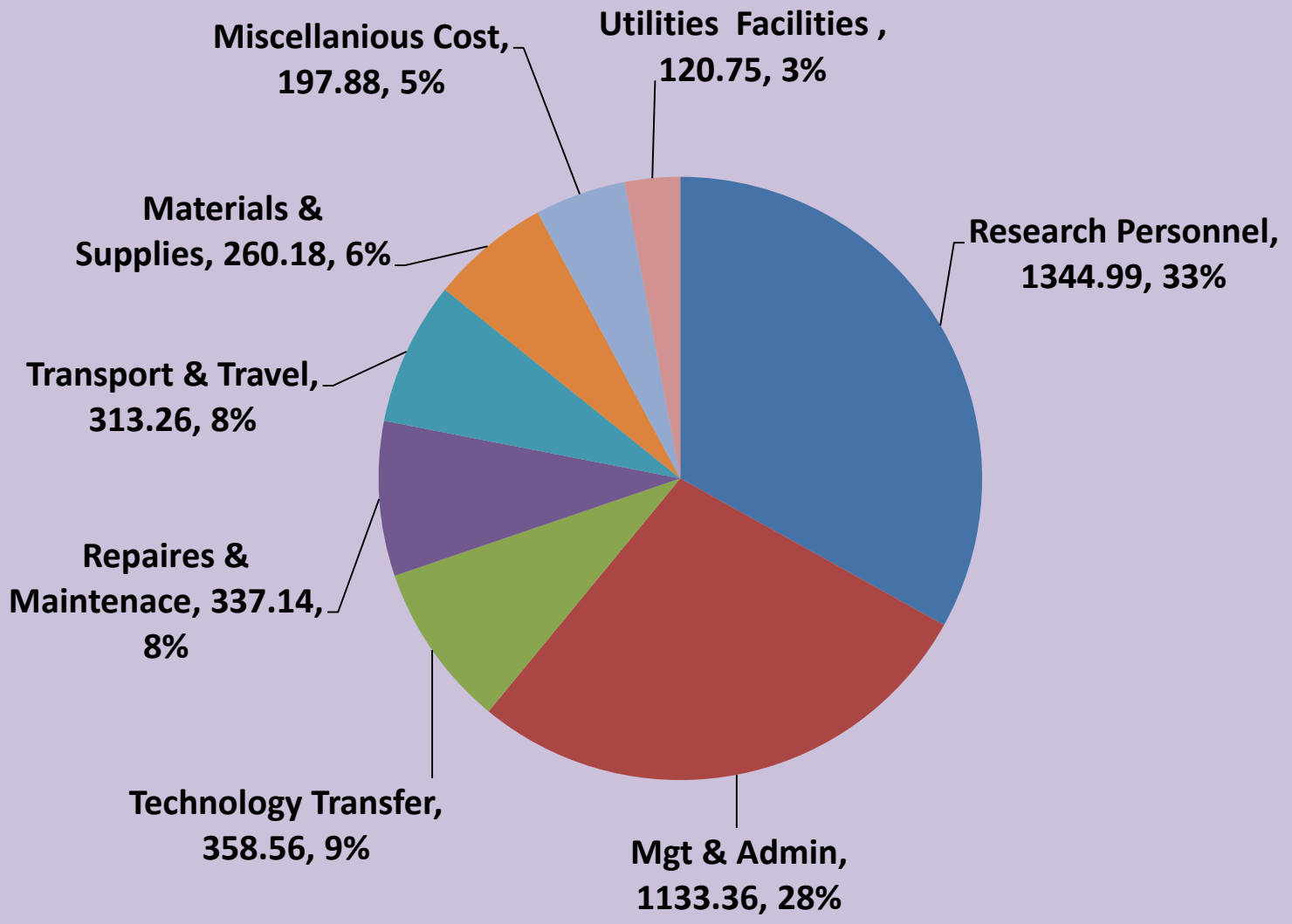
No. of Projects by Commodity Group	
Commodity Group	No. of Projects
Rice	192
Spices & Condiments	180
Vegetables	154
Fruits & Nuts	119
Tea	111
None Commodity	90
Sugarcane	63
Coconut	61
Rubber	54
Grain Legumes	47
Oilseeds	46
Course Grains	42
Aquatic fauna & flora	38
Roots & Tubers	34
Coffee	30
Livestock	21
Forestry	18
Ornamental Crops	18
Food Crops	7
Total	1325

Consider at Research Planning in Commodity Groups with less investments

No. of Projects by Discipline

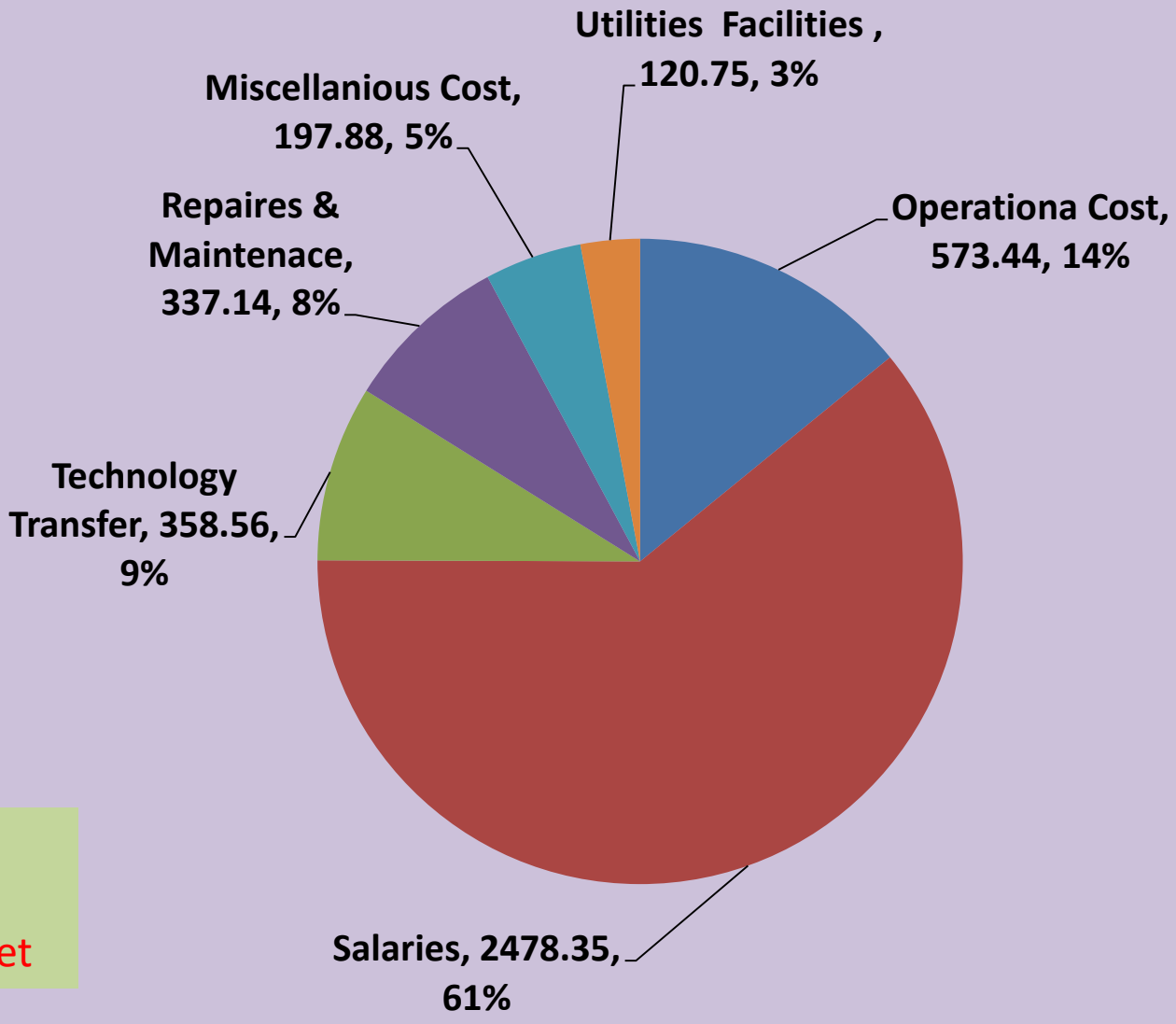
Discipline	No. of Projects
Crop Improvement	414
Crop Protection	228
Crop Production	165
Soil Science	125
Post Harvest Technology	73
Socio Economics	63
Food Science	47
Natural Resources Mgt	36
Agric. Biotechnology	35
Aquatic Science & Fisheries	28
Animal Prod. & Health	21
Agricultural Services	19
Crop Physiology	16
Information Technology	13
Agric. Engineering	11
Environmental Science	11
Biochemistry	7
Scientific Methods	6
Microbiology	3
Postharvest Technology	2
Research Management	1
Silviculture	1
Total	1325

Investments (Recurrent) at NARS (Rs. M)



Total Investments: Rs. M. 4066.11

Investments at NARS (Rs. M)



Consider invest more funds for Operational budget

Total Investments: Rs. M. 4066.11

- Conclusion

- Recruitment
- Training
- Reallocation of Scientists into research
- Funding (Agricultural Research Intensity=0.3 %(SL), need at least 5% at best level for good research)
  - Need increase funds
- Research programmes
  - Reallocation of Research programmes

- Acknowledgement to the Heads of the Institution, INFORM Coordinators & Assistant INFORM Coordinators for providing the data.

- Data Analysis & Information is based on the data provided.

End