



# **New Tools to Understand NSF's Investment in Collaborations in Africa**

**Lara Campbell, PhD**

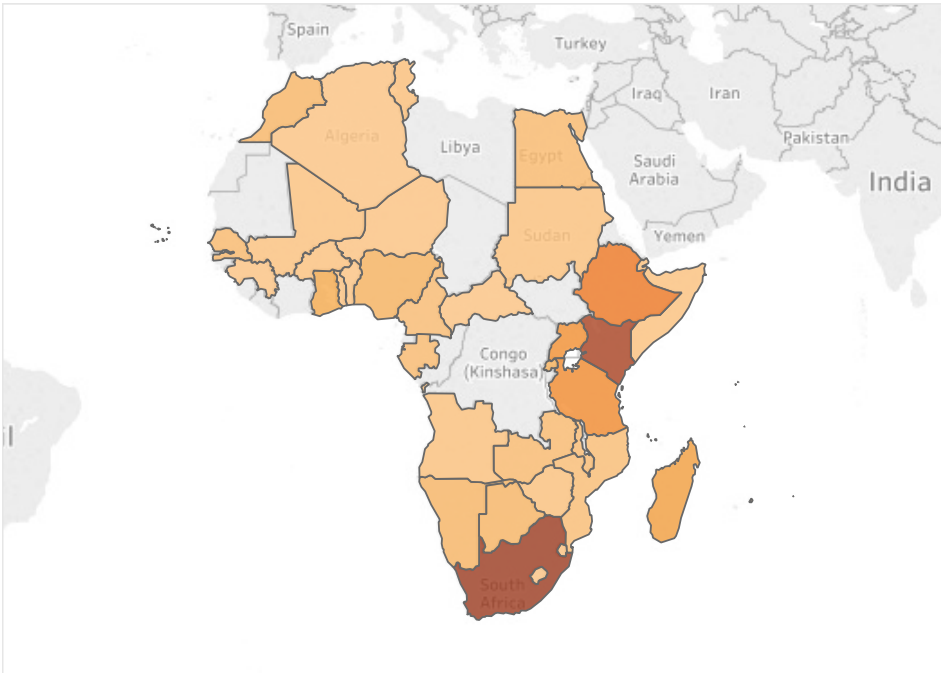
Dominique Carter, PhD, Ololade Fatunmbi, PhD

Office of International Science & Engineering (OISE)

Office of the Director (OD)

National Science Foundation (NSF)

# NSF Active Awards in Africa by Country and Directorate



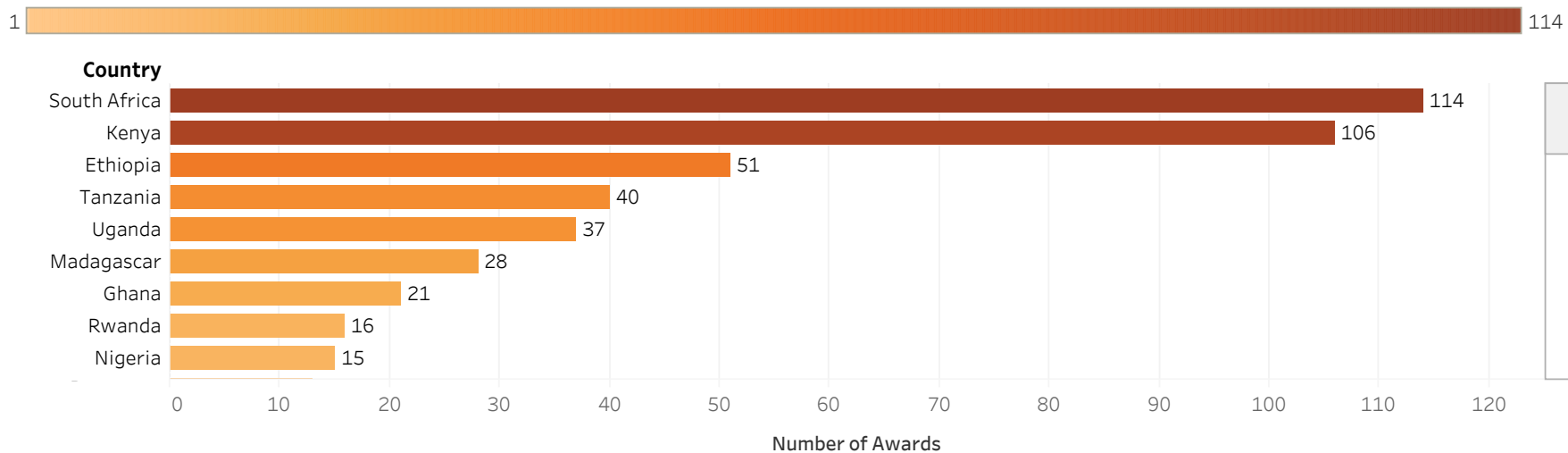
NSF Directorate	
Social Sciences	179
Biological Sciences	128
Geosciences	127
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
Engineering	23
Computer & Information Sciences	16

Map dashboard:  
Dominique Carter  
Ololade Fatunmbi

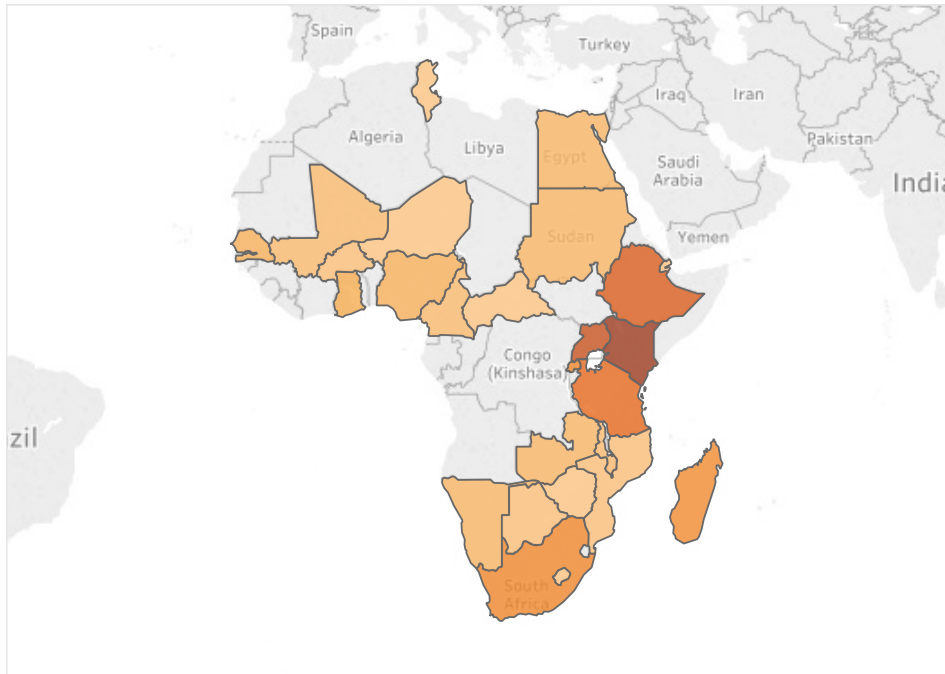
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Award Type	
Standard Grant	364
Continuing grant	196
Fellowship	11
Standalone Cooperative Agreement	5
Cooperative Support Agreement	1

Number of Awards



# NSF Active Awards in Africa in the Social Sciences



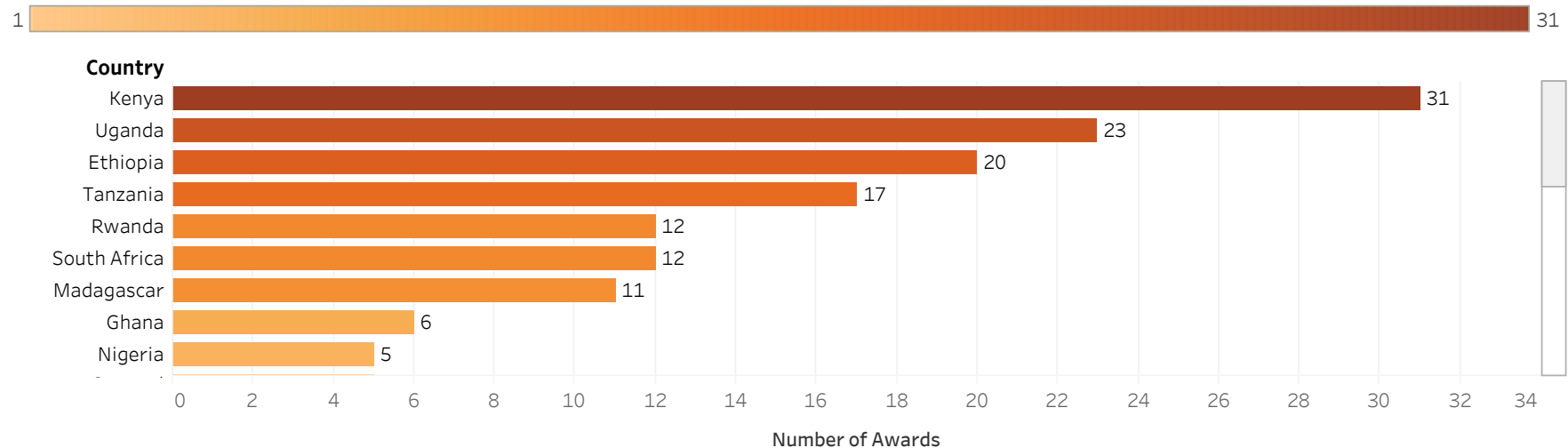
NSF Directorate	
Social Sciences	179
Biological Sciences	128
Geosciences	127
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
Engineering	23
Computer & Information Sciences	16

**Map dashboard:**  
Dominique Carter  
Ololade Fatunmbi

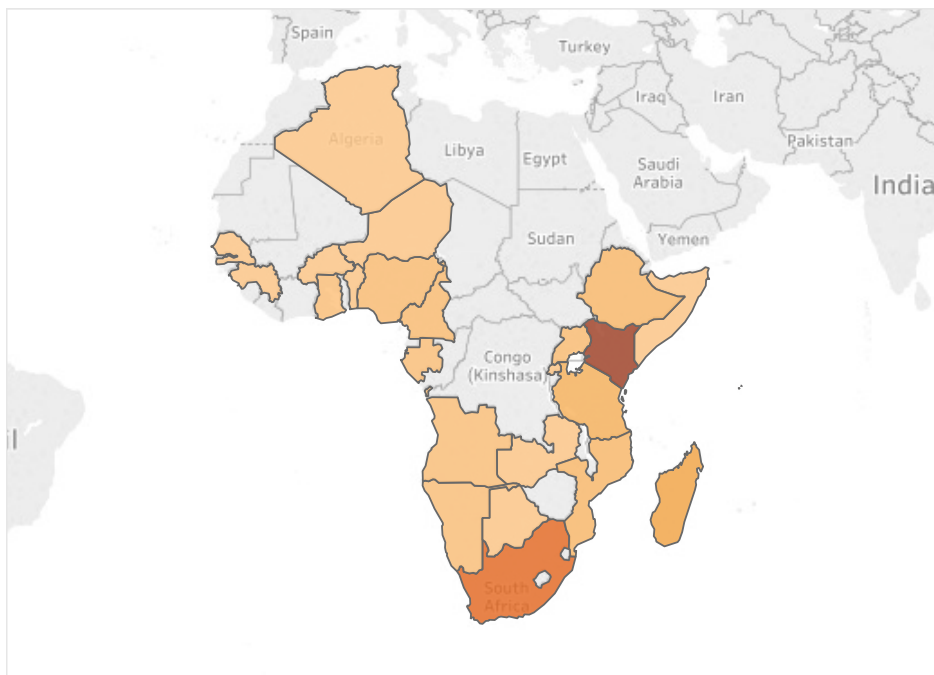
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Award Type	
Standard Grant	140
Continuing grant	36
Fellowship	3

Number of Awards



# NSF Active Awards in Africa in the Biological Sciences



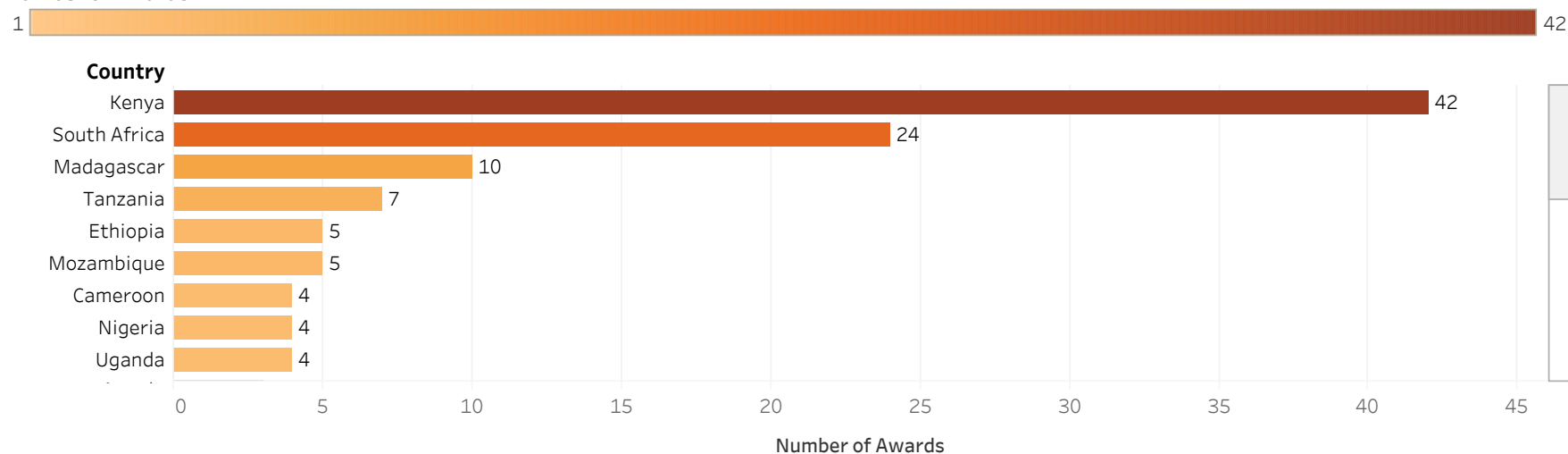
NSF Directorate	
Social Sciences	179
Biological Sciences	128
Geosciences	127
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
Engineering	23
Computer & Information Sciences	16

**Map dashboard:**  
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Ololade Fatunmbi

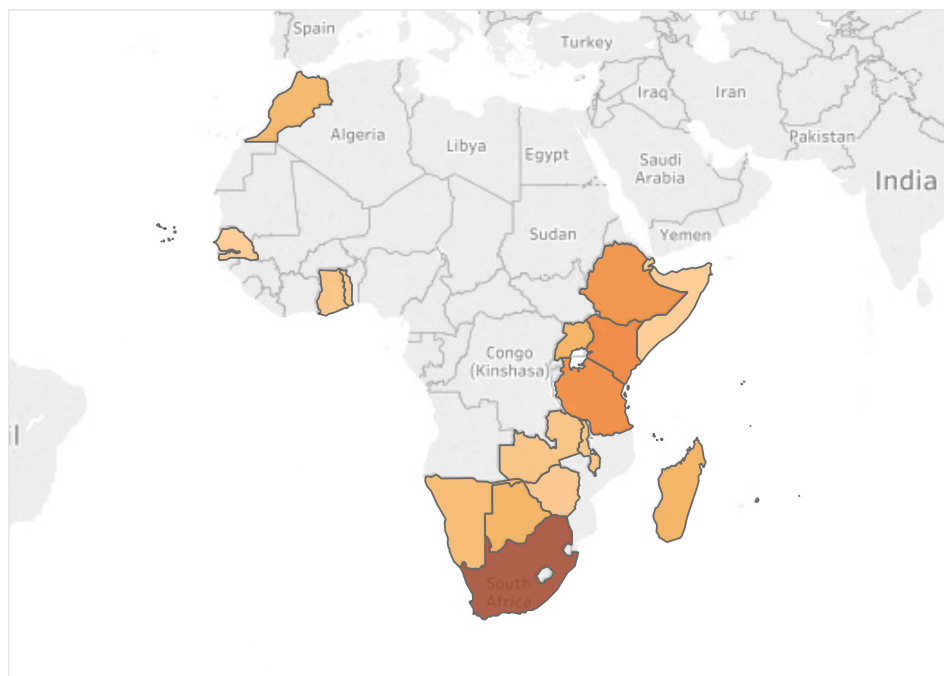
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Award Type	
Standard Grant	74
Continuing grant	50
Fellowship	3
Standalone Cooperative Agreement	1

Number of Awards



# NSF Active Awards in Africa in the Geosciences



## NSF Directorate

Social Sciences	179
Biological Sciences	128
<b>Geosciences</b>	<b>127</b>
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
Engineering	23
Computer & Information Sciences	16

## Map dashboard:

Dominique Carter  
Ololade Fatunmbi

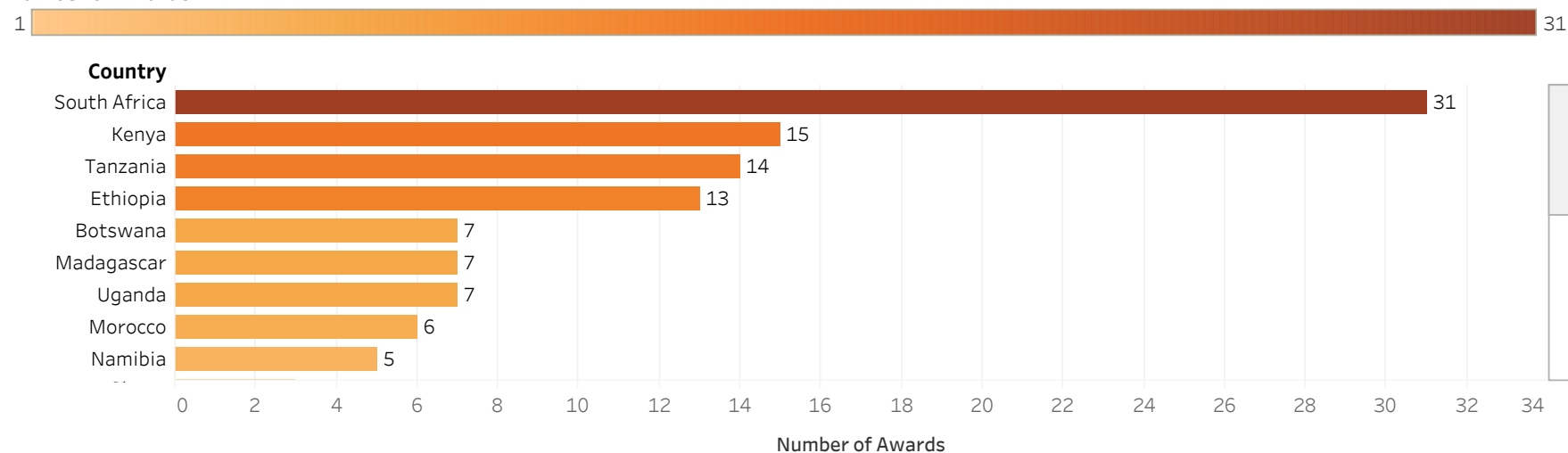
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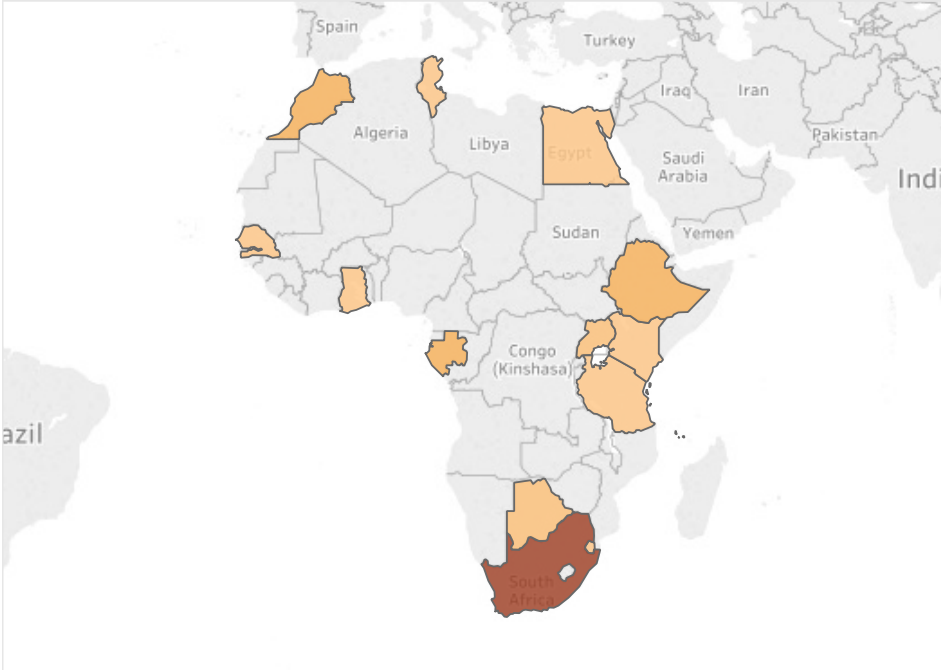
## Award Type

Continuing grant	76
Standard Grant	46
Fellowship	2
Standalone Cooperative Agreement	2
Cooperative Support Agreement	1

## Number of Awards



# NSF Active Awards in Math & Physical Sciences



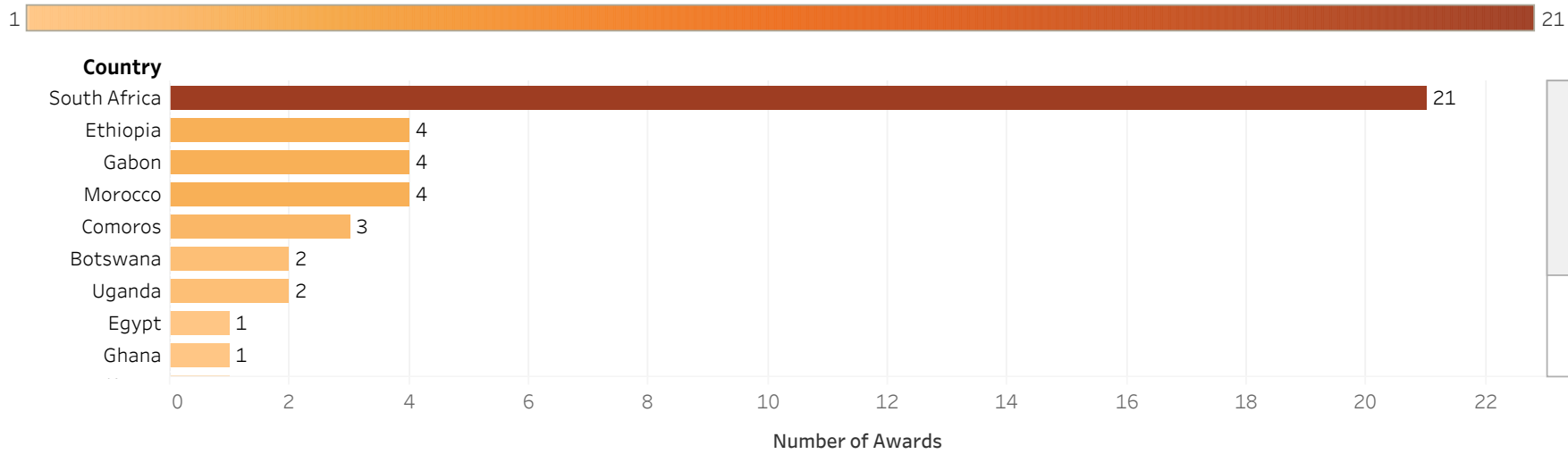
NSF Directorate	
Social Sciences	179
Biological Sciences	128
Geosciences	127
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
Engineering	23
Computer & Information Sciences	16

Map dashboard:  
Dominique Carter  
Ololade Fatunmbi

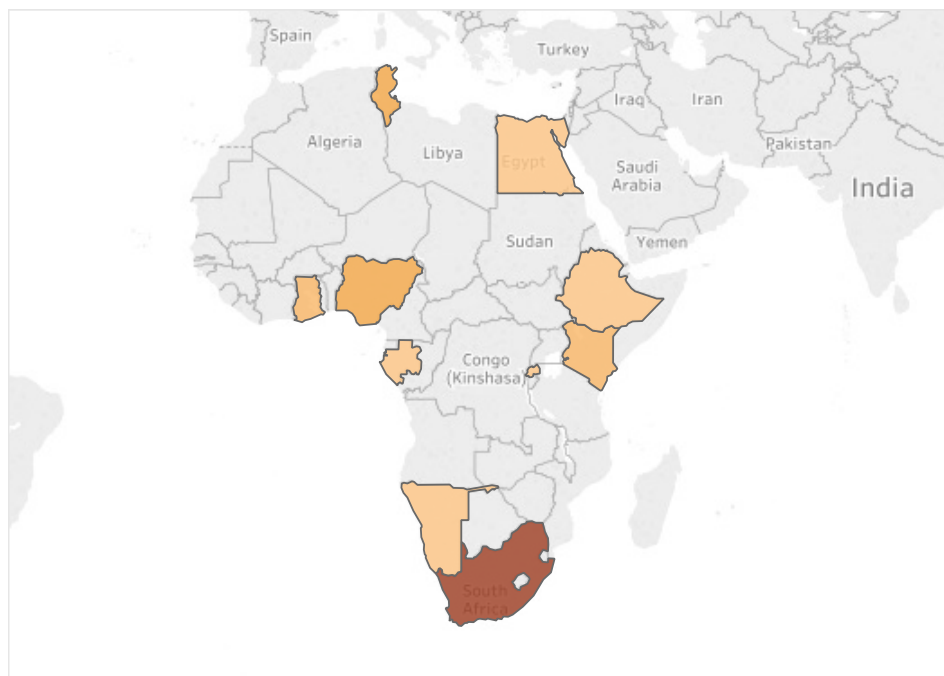
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Award Type	
Standard Grant	32
Continuing grant	13
Fellowship	2

Number of Awards



# NSF Active Awards in Africa in Education



## NSF Directorate

Social Sciences	179
Biological Sciences	128
Geosciences	127
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
Engineering	23
Computer & Information Sciences	16

## Map dashboard:

Dominique Carter  
Ololade Fatunmbi

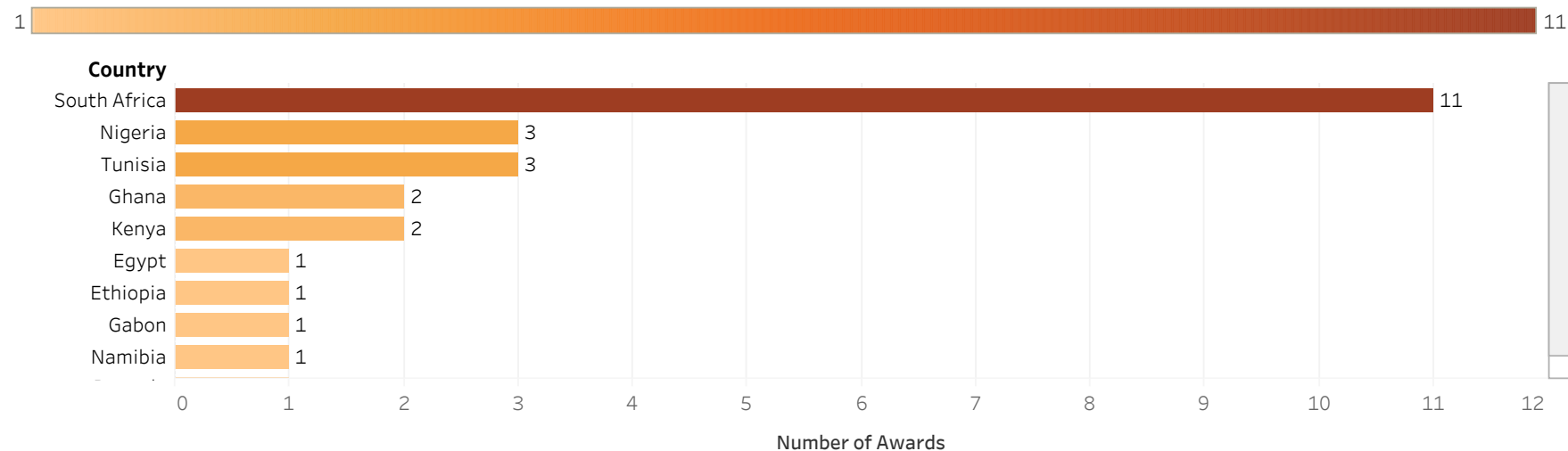
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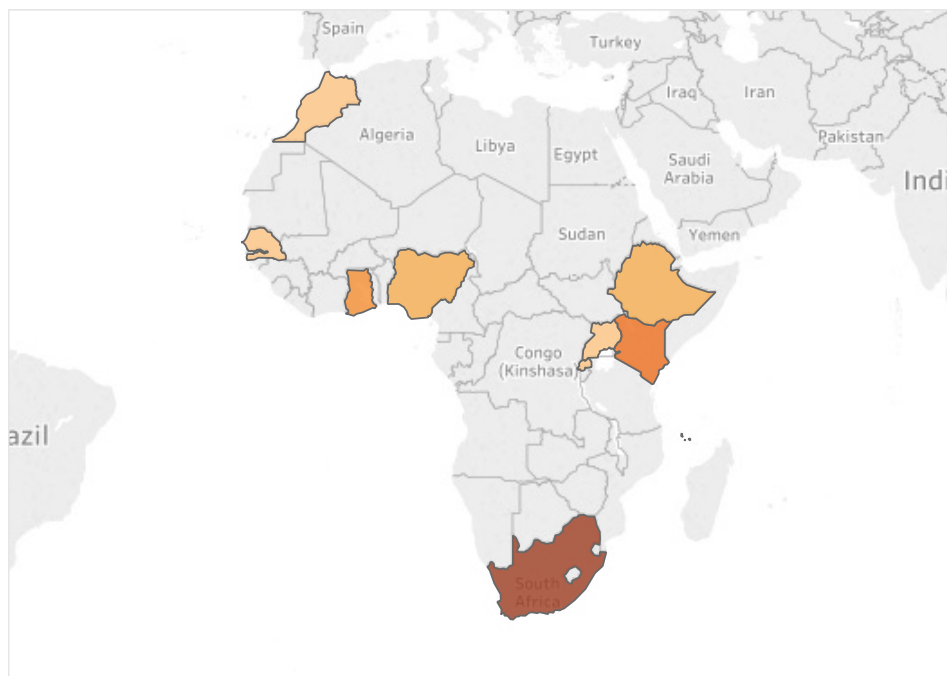
## Award Type

Standard Grant	20
Continuing grant	5
Fellowship	1

## Number of Awards



# NSF Active Awards in Africa in Engineering



## NSF Directorate

Social Sciences	179
Biological Sciences	128
Geosciences	127
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
<b>Engineering</b>	<b>23</b>
Computer & Information Sciences	16

## Map dashboard:

Dominique Carter  
Ololade Fatunmbi

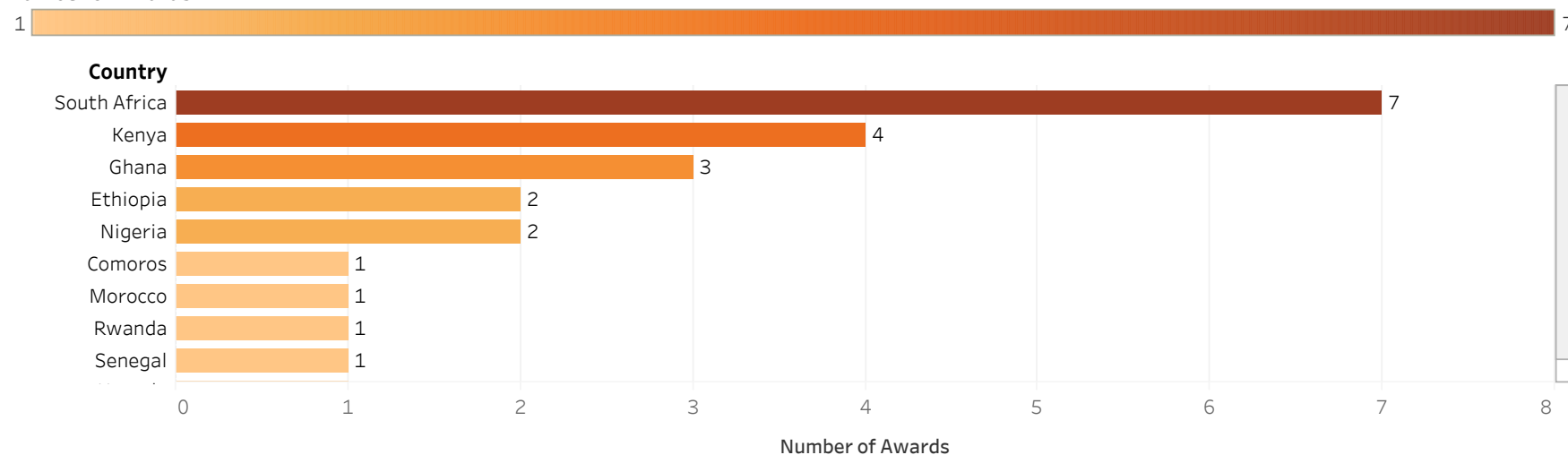
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## Award Type

Standard Grant	21
Continuing grant	1
Standalone Cooperative Agreement	1

## Number of Awards





# NSF Active Awards in Africa in Computer Science



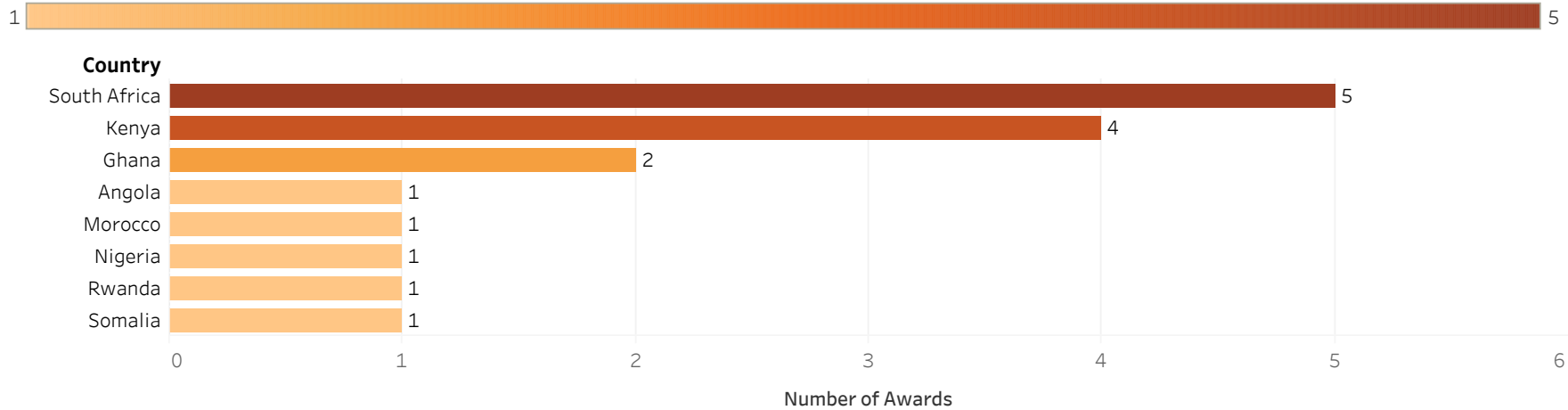
NSF Directorate	
Social Sciences	179
Biological Sciences	128
Geosciences	127
Math & Physical Sciences	47
Office of the Director	31
Education & Human Resources	26
Engineering	23
Computer & Information Sciences	16

**Map dashboard:**  
Dominique Carter  
Ololade Fatunmbi

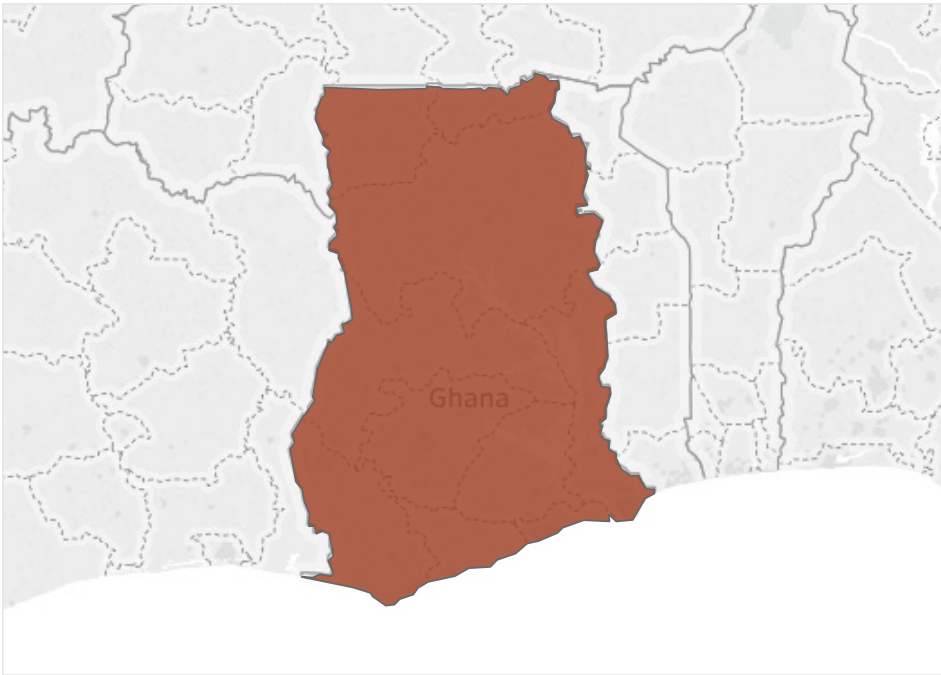
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Award Type	
Standard Grant	9
Continuing grant	7

Number of Awards



# NSF Active Awards in Ghana by Directorate



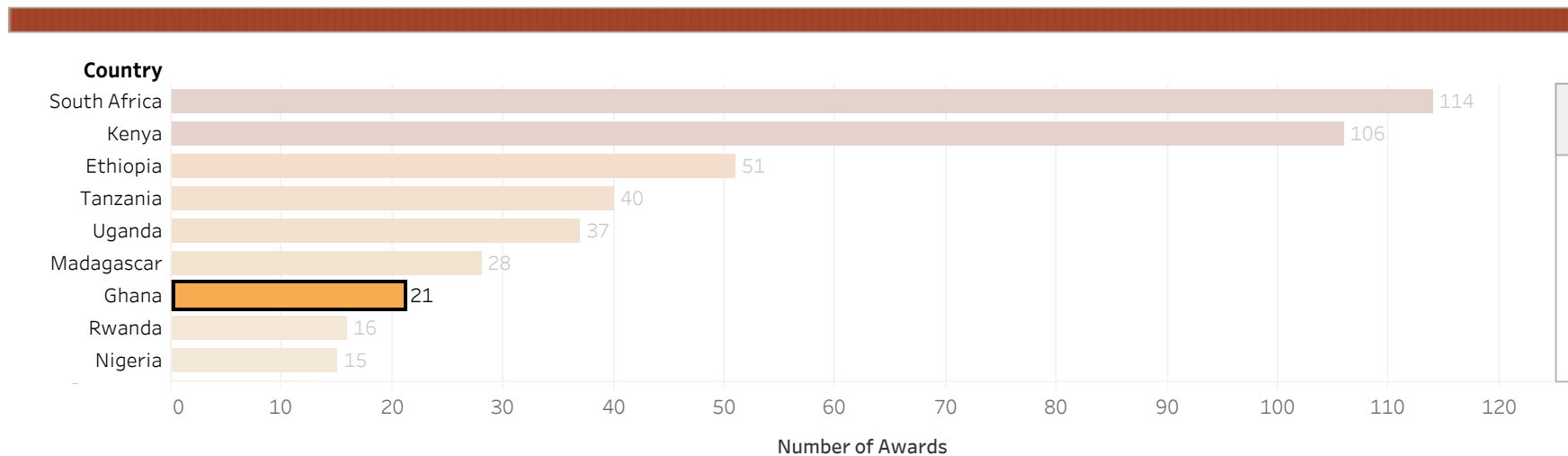
NSF Directorate	
Social Sciences	6
Biological Sciences	3
Engineering	3
Geosciences	3
Computer & Information Sciences	2
Education & Human Resources	2
Math & Physical Sciences	1
Office of the Director	1

Map dashboard:  
Dominique Carter  
Ololade Fatunmbi

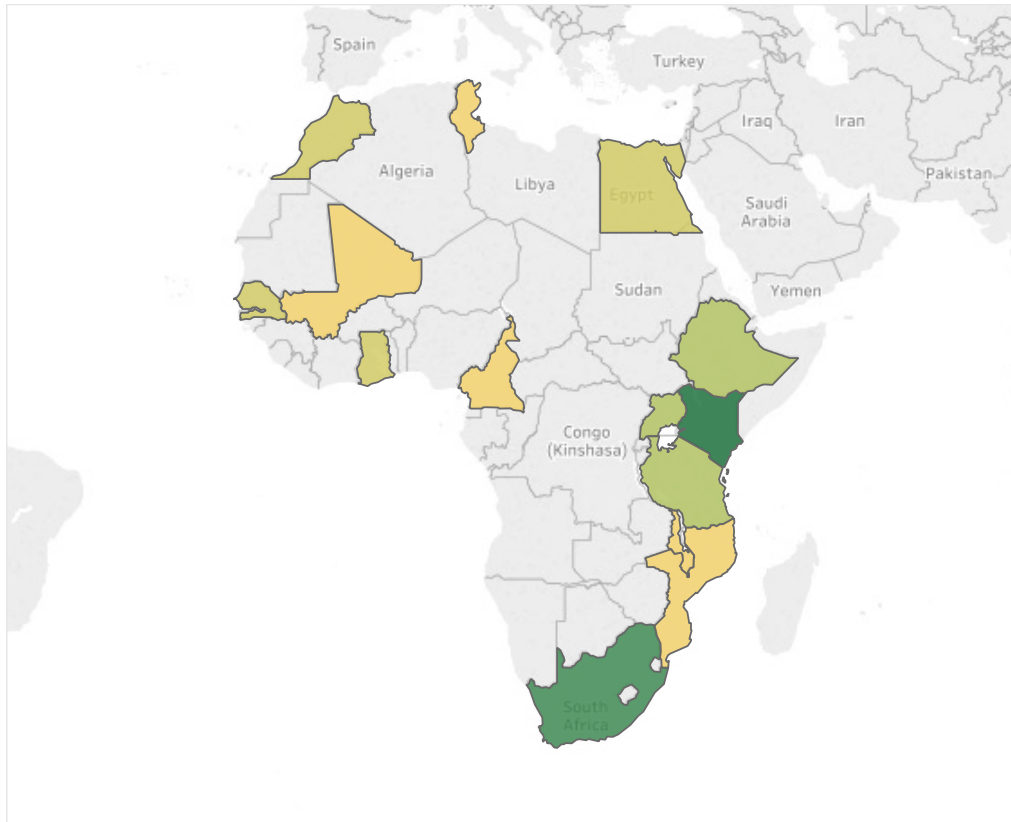
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Award Type	
Standard Grant	16
Continuing grant	5

Number of Awards



# NSF PEER Awards in Africa by Country (Cycles 1-7)



## Field of Research

Agriculture	7
Water	6
Energy	5
Food security	5
Biodiversity	4
Climate	4
Environment	4
Education	3
Disaster mitigation	1
Social sciences	1

**Map dashboard:**  
Dominique Carter  
Ololade Fatunmbi

**Data accessed:**  
NAS  
7.9.2018

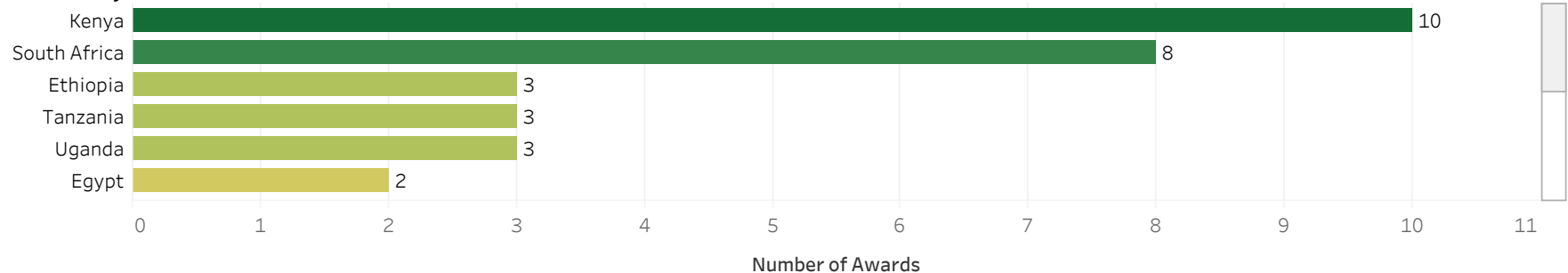
## Product Type (group)

Peer Reviewed Articles	39
Dissertation & Other Publications	23
Book chapters & Books	12
Models and Other Products	6
Educational Aids, Curricula, Evaluation Tools	2
Audio or Video Products	1
Conference Papers and Presentations	1
Data or Databases	1
Instruments or Equipments	1
Inventions & Patents	1

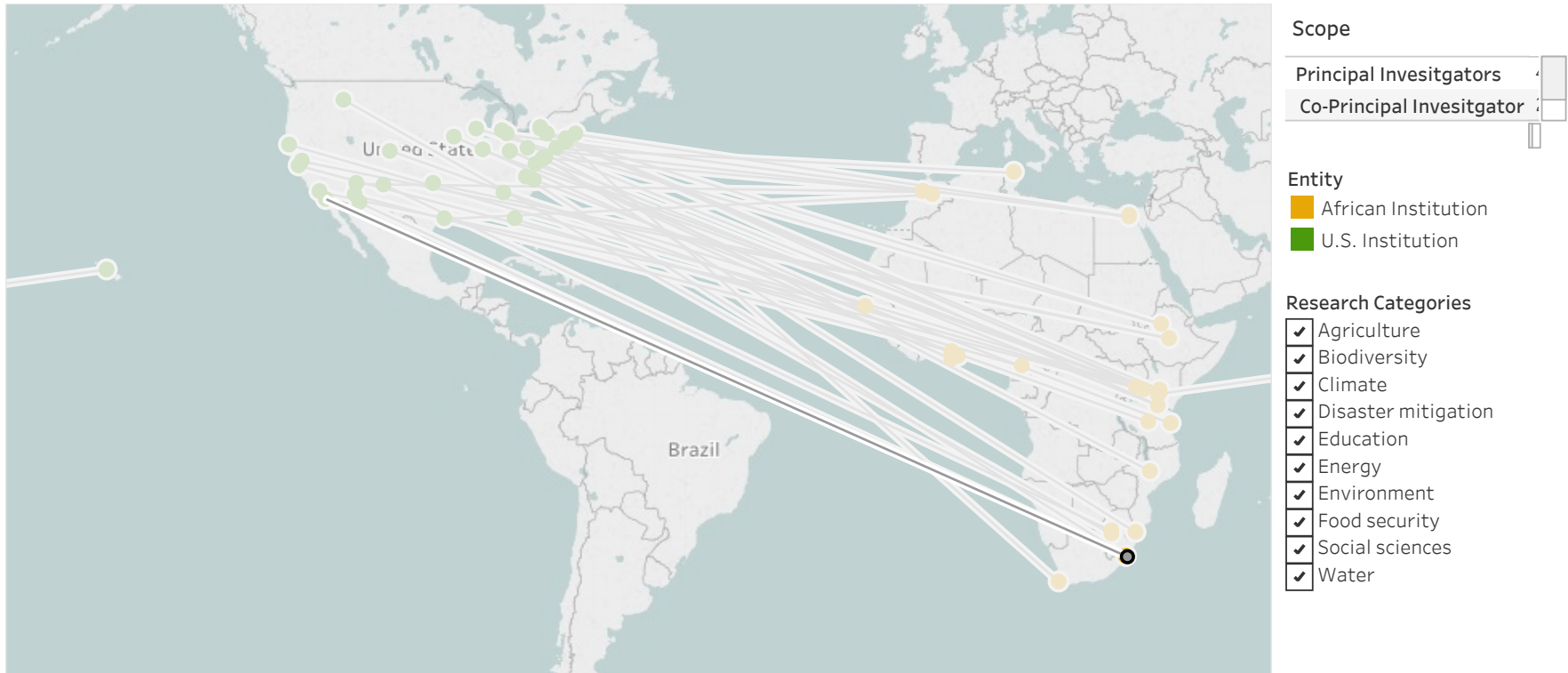
## Number of Awards



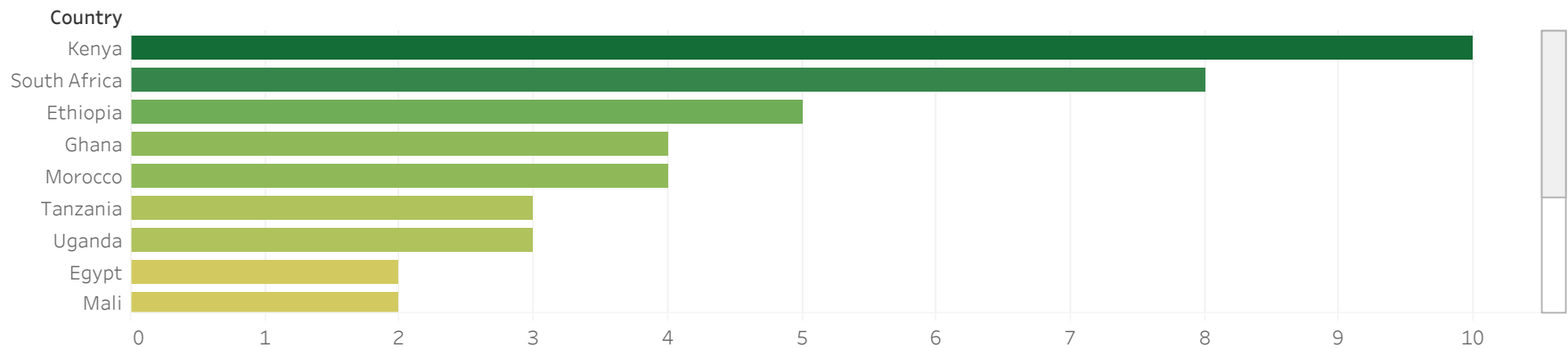
## Country



# NSF PEER Network Map



Number of Awards



# Logic Model to Evaluate Mutual Benefits of PEER

