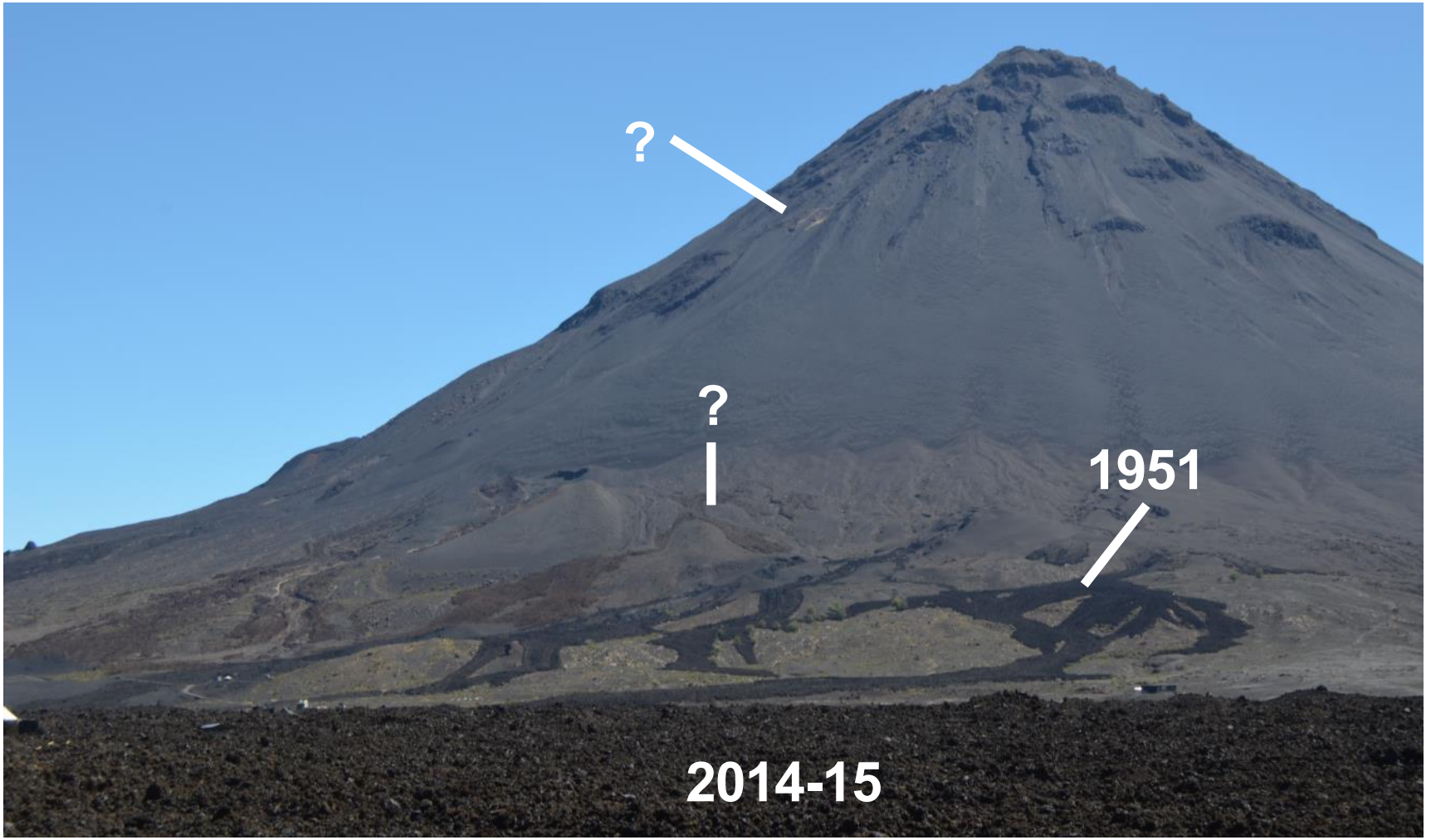
Task 2: Volcanic structure

(Morphostructural evolution of Fogo)

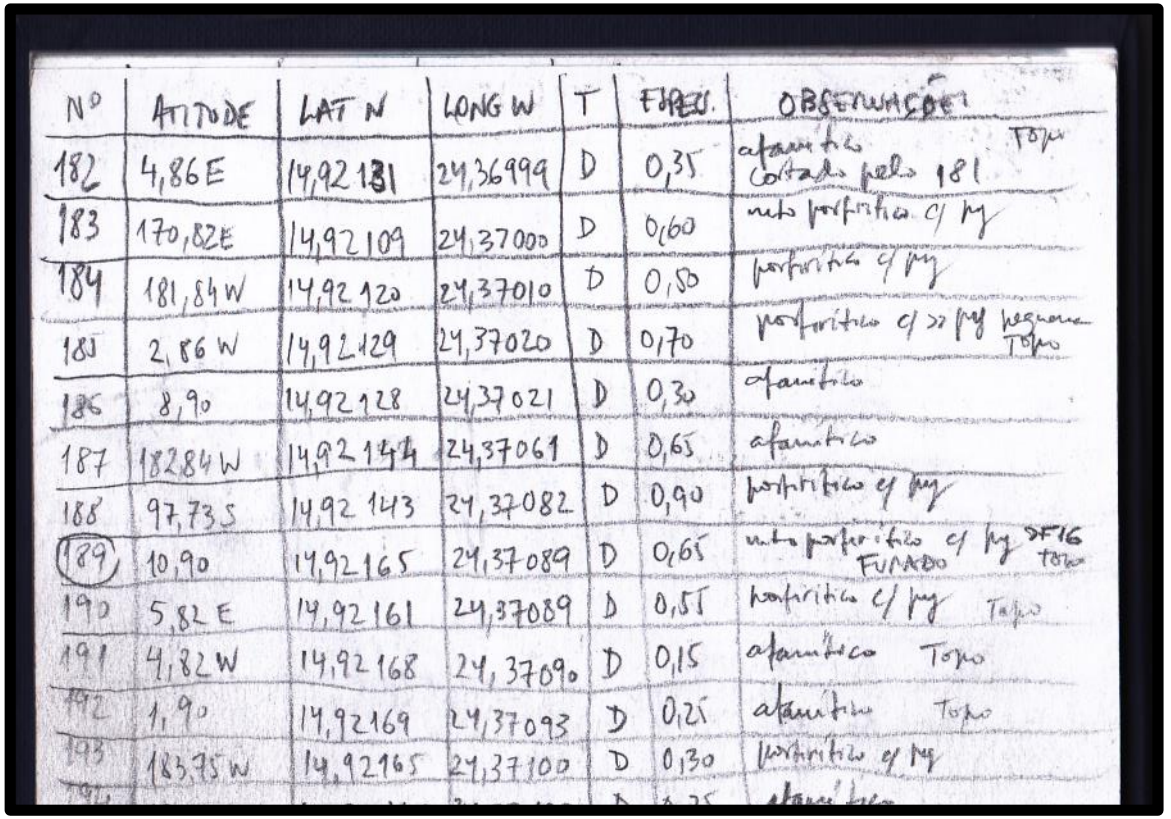
- First field campaign carried out: 28 Jan – 10 Feb 2017



Task 2: Volcanic structure

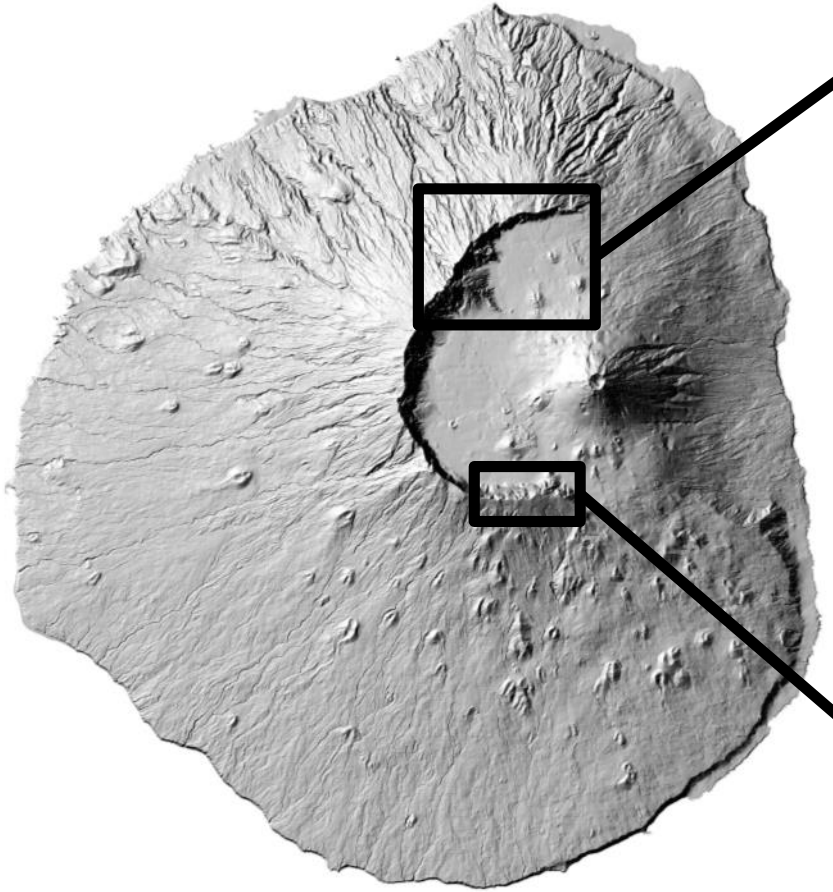
(Morphostructural evolution of Fogo)

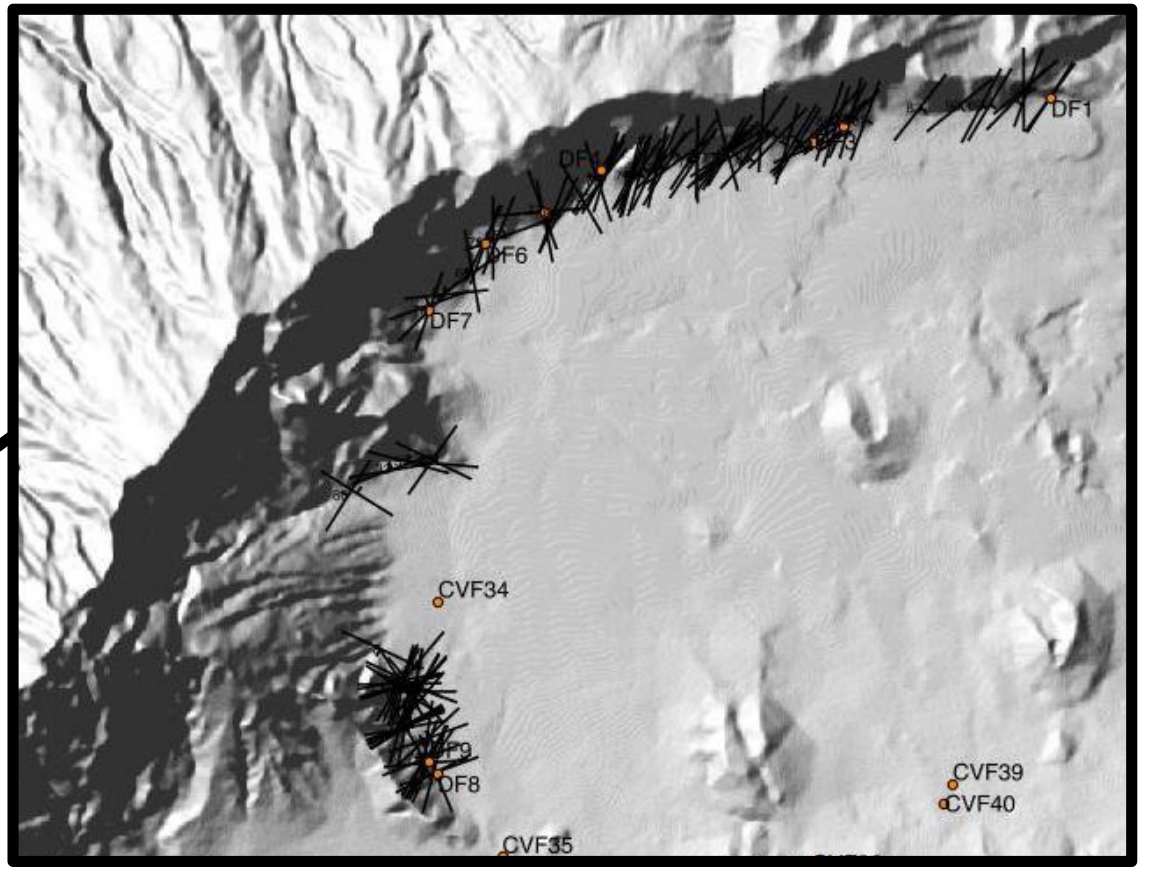
- 250 dikes measured along half the perimeter of the summit caldera (attitude, location, thickness, texture & geometric relations)

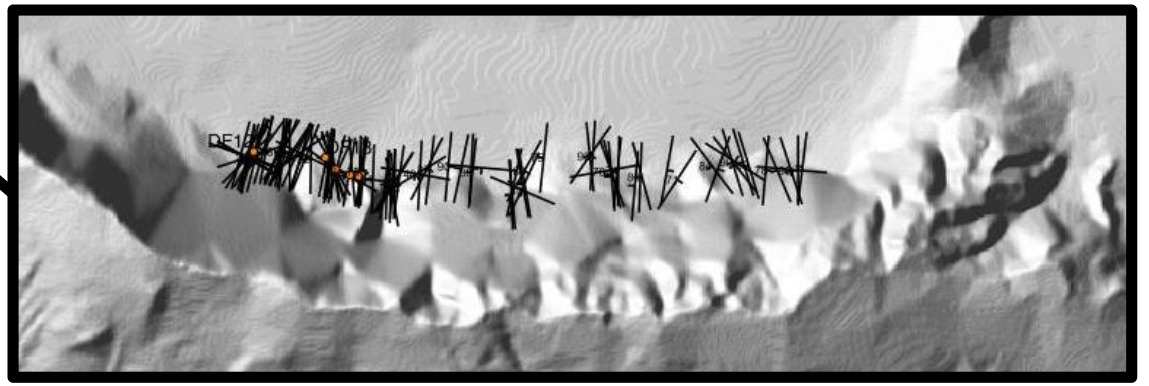


Nº	ATITUDE	LAT N	LONG W	T	ESPES.	OBSERVAÇÕES
182	4,86 E	14,92 131	24,36999	D	0,35	afanítico Topo cortado pelo 181
183	170,82 E	14,92109	24,37000	D	0,60	rocha porfirítica c/ fy
184	181,84 W	14,92 120	24,37010	D	0,50	porfirítico c/ fy
185	2,86 W	14,92129	24,37020	D	0,70	porfirítico c/ >> fy pegmat Topo
186	8,90	14,92128	24,37021	D	0,30	afanítico
187	18284 W	14,92144	24,37061	D	0,65	afanítico
188	97,73 S	14,92 143	24,37082	D	0,90	porfirítico c/ fy
189	10,90	14,92165	24,37089	D	0,65	rocha porfirítica c/ fy SF16 FUNADO Topo
190	5,82 E	14,92161	24,37089	D	0,55	porfirítico c/ fy Topo
191	4,82 W	14,92168	24,37090	D	0,15	afanítico Topo
192	1,90	14,92169	24,37093	D	0,25	afanítico Topo
193	183,75 W	14,92165	24,37100	D	0,130	porfirítico c/ fy

North caldera







South caldera

Task 2: Volcanic structure

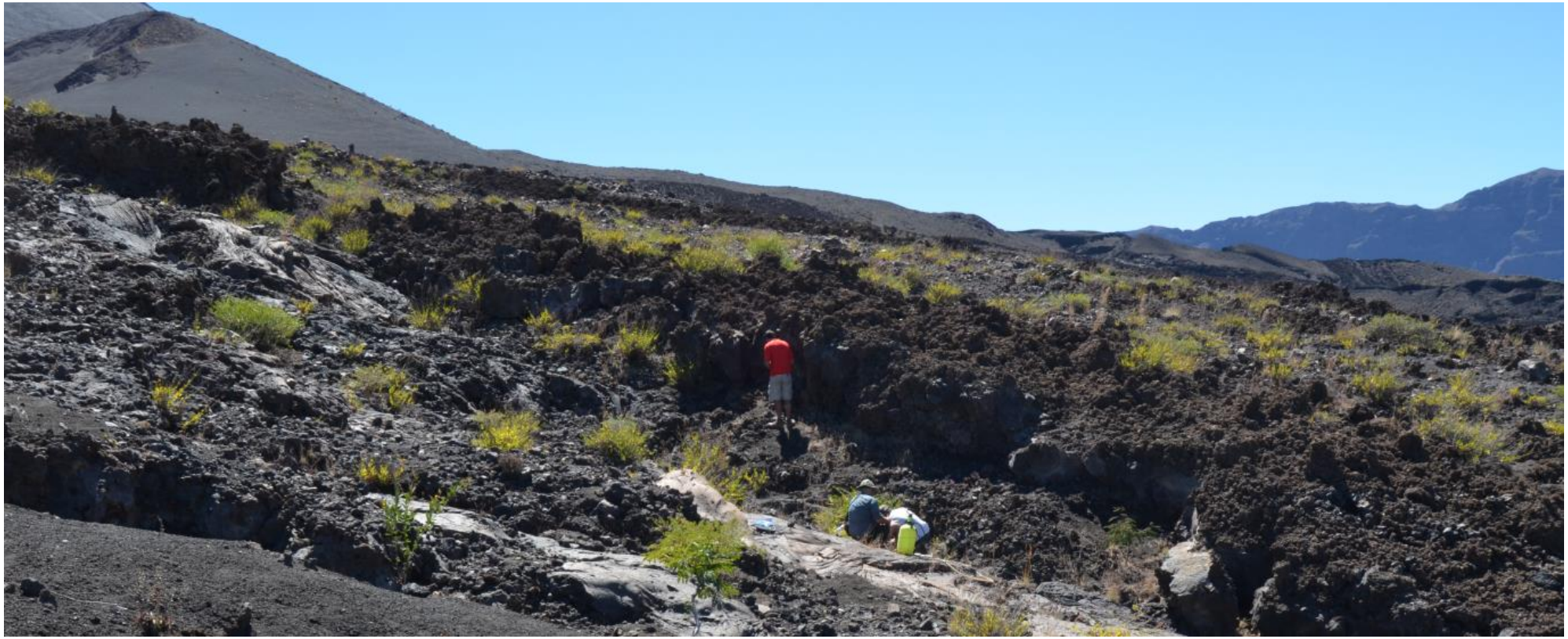
(Morphostructural evolution of Fogo)

- 19 dikes sampled for paleomagnetism & AMS:
  ~250 samples (~750 specimens)

Task 2: Volcanic structure

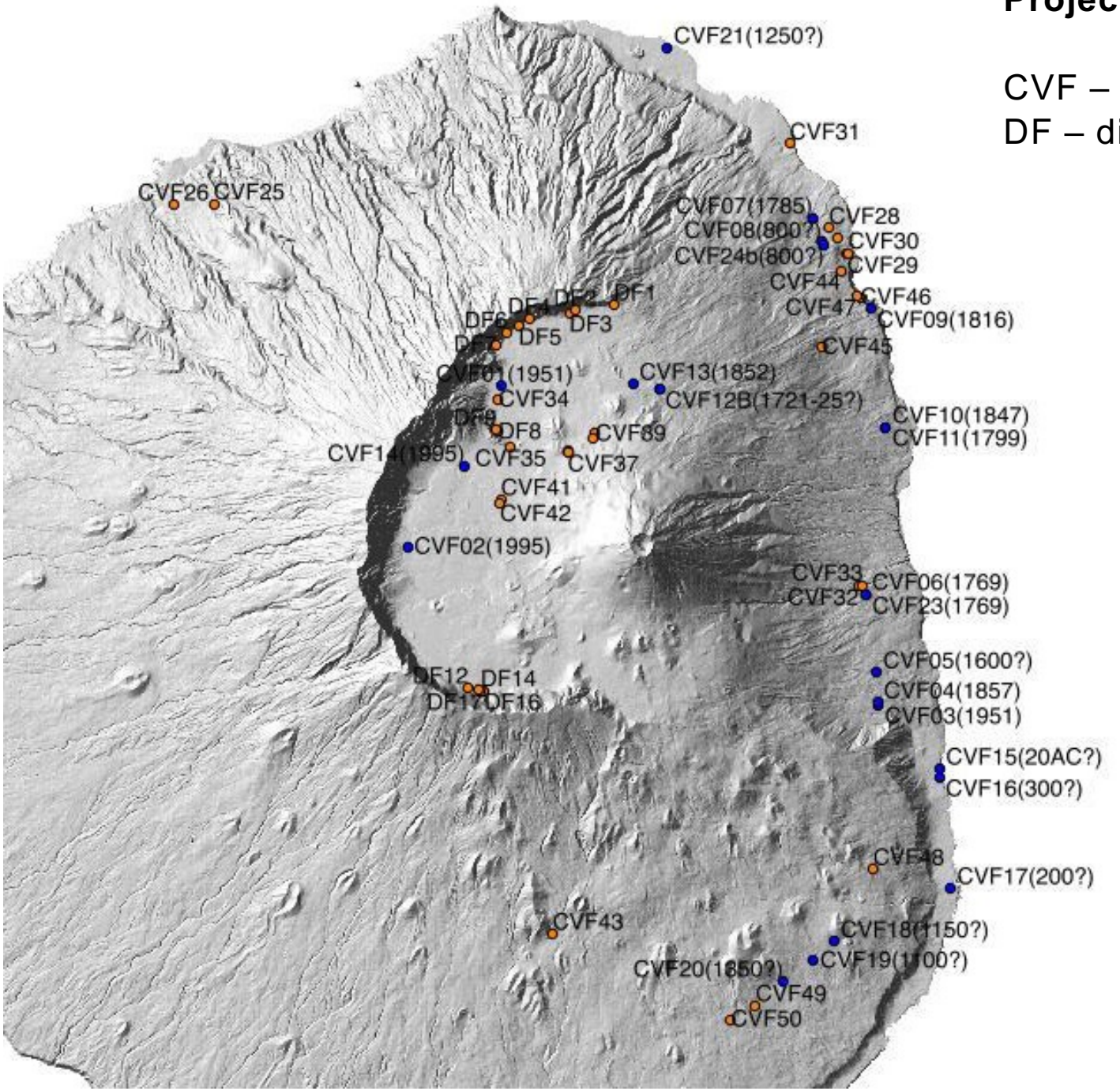
(Morphostructural evolution of Fogo)

- 25 recent lava flows from the summit caldera and E flank sampled for paleomagnetism:
  ~340 samples (~1000 specimens)



Projects REGENA and FIRE

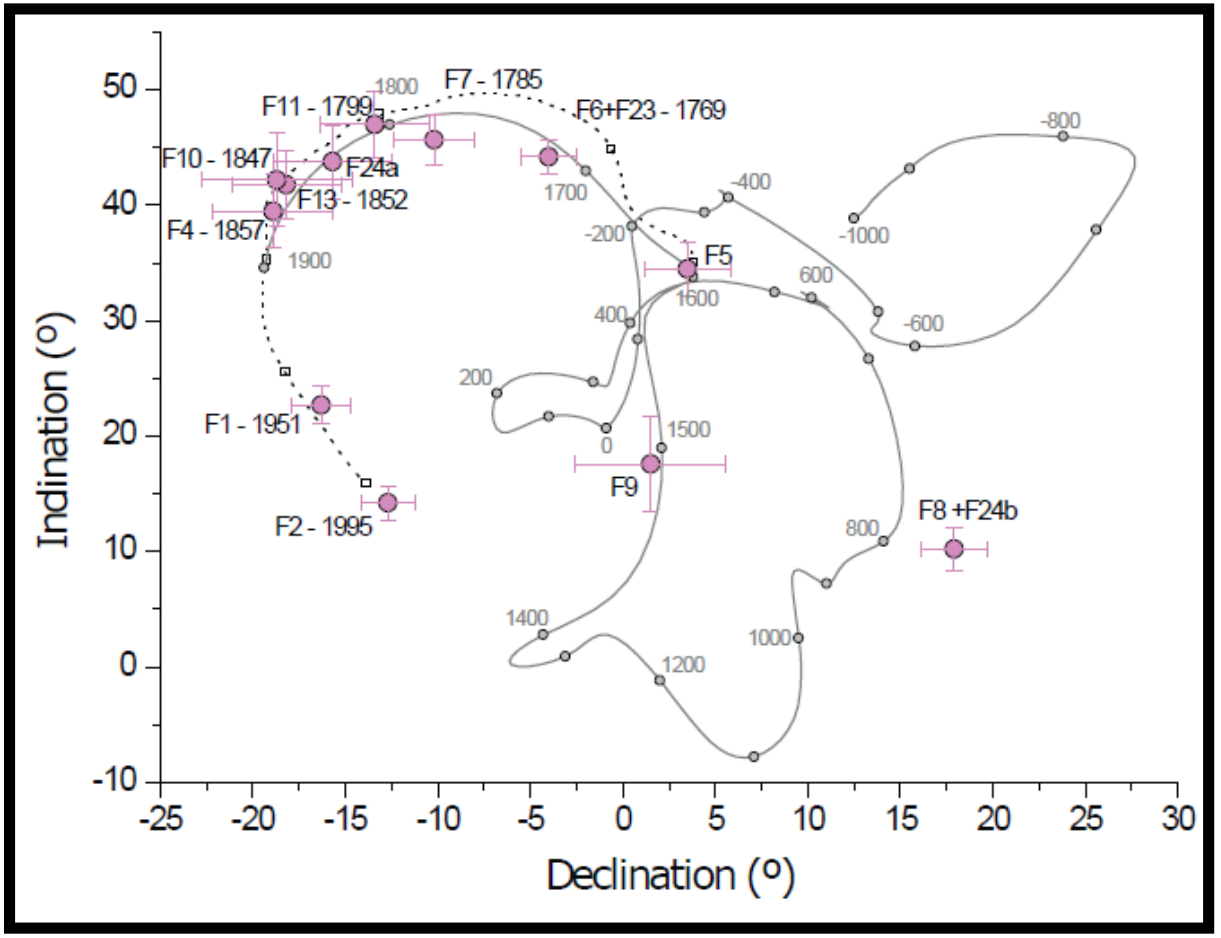
CVF – recent lava flows (50)
DF – dikes (19)



Task 2: Volcanic structure

(Morphostructural evolution of Fogo)

- Detailed geological mapping in the summit caldera initiated



Curva de variação secular magnética (Pedro Silva et al. em preparação)

Task 2: Volcanic structure

(Morphostructural evolution of Fogo)

- New field campaign to conclude dike and lava flow sampling and mapping: 19 to 30 June 2017