

SFI Infrastructure Call 2018 Access Charge Plan Template								
Access Charge Plan								
Name of Infrastructure	System 1: High throughput IR spectral imaging system							
Cost of Infrastructure €	338815.8							
Key Responsible Investigator	Prof. Aoife Gowen							
Location (Department, Centre)	UCD School of Biosystems and Food Engineering, S0.40, UCD Science Centre South							
Per Year Plan								
1. Costs								
Category	Detail		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	
			€	€	€	€	€	
Staff	Research Assistant		€14,074.92	€14,356.42	€14,643.55	€14,936.42	€15,235.15	
Materials & Consumables								
	CO2 gas for environmental chamber		€360.00	€367.20	€374.54	€382.03	€389.68	
	CaF2 slides		€2,300.00	€2,346.00	€2,392.92	€2,440.78	€2,489.59	
	gas N2 to purge system		€360.00	€367.20	€374.54	€382.03	€389.68	
Maintenance / Servicing Costs	1. Maintenance		€0.00	€0.00	€28,997.25	€30,447.11	€31,969.47	
Other Costs								
Total Gross Operating Costs			€17,094.92	€17,436.82	€46,782.81	€48,588.38	€50,473.56	
Less Exchequer-Funded Costs								
Less School Funded Cost			-€14,074.92	-€14,356.42				
Total Net Operating Costs			€17,094.92	€17,436.82	€46,782.81	€48,588.38	€50,473.56	
Total Usage Hours			845	845	845	845	845	
Cost per Hour (academic)			€20.24	€20.64	€55.38	€57.51	€59.75	
2. Charges								
Annual Charges		Time Usage %						
Academic Users		80	€13,675.94	€13,949.46	€37,426.25	€38,870.70	€40,378.85	
Industry Users		20	€10,519.29	€10,587.22	€19,054.05	€19,460.15	€19,882.74	
Other								
Total Annual Charges			€24,195.23	€24,536.67	€56,480.29	€58,330.85	€60,261.59	
Net Deficit/Surplus			€7,100.30	€7,099.85	€9,697.49	€9,742.47	€9,788.03	
Economic Cost for Industry Rates								
Total Net Operating Cost			€17,094.92	€17,436.82	€46,782.81	€48,588.38	€50,473.56	
e.g.								
+ exchequer-funded costs			€0.00	€0.00	€14,074.92	€14,356.42	€14,643.55	
+ depreciation (over useful life)			€33,881.58	€33,881.58	€33,881.58	€33,881.58	€33,881.58	
+ overheads			€3,000.00	€3,000.00	€3,000.00	€3,000.00	€3,000.00	
- VAT included in purchase price/operating costs			€1,380.06	€1,382.32	€2,469.07	€2,525.64	€2,584.98	
+/- other								
Full Economic Cost			€52,596.44	€52,936.08	€95,270.24	€97,300.74	€99,413.71	
Full Economic Cost per Hour (industry charge rate)			€62.26	€62.66	€112.77	€115.18	€117.68	

SFI Infrastructure Call 2018 Access Charge Plan Template							
Access Charge Plan							
Name of Infrastructure	System 2: High spatial resolution IR spectral imaging system						
Cost of Infrastructure €	815418.7						
Key Responsible Investigator	Prof. Aoife Gowen						
Location (Department, Centre)	UCD School of Biosystems and Food Engineering, S0.40, UCD Science Centre South						
Per Year Plan							
1. Costs							
Category	Detail		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
			€	€	€	€	€
Staff	Research Assistant		€13,715.63	€13,989.95	€14,269.75	€14,555.14	€14,846.24
Materials & Consumables	liquid N2 to cool detectors		€1,500.00	€1,530.00	€1,560.60	€1,591.81	€1,623.65
	CO2 gas for environmental chamber		€360.00	€367.20	€374.54	€382.03	€389.68
	AFM probes, calibration samples					€4,335.00	€4,421.70
	CaF2 slides		€2,300.00	€2,346.00	€2,392.92	€2,440.78	€2,489.59
Maintenance / Servicing Costs	gas N2 to purge system		€1,668.00	€1,701.36	€1,735.39	€1,770.09	€1,805.50
	2. Maintenance				€41,355.74	€43,423.52	€45,594.70
Other Costs			€7,744.00	€7,898.88	€8,056.86	€8,217.99	€8,382.35
Total Gross Operating Costs			€27,287.63	€27,833.39	€69,745.79	€76,716.38	€79,553.41
Less Exchequer-Funded Costs							
Less School Funded Costs			-€13,715.63	-€13,989.95			
Total Net Operating Costs			€27,287.63	€27,833.39	€69,745.79	€76,716.38	€79,553.41
Total Usage Hours			845	845	845	845	845
Cost per Hour (academic)							
			€32.30	€32.95	€82.56	€90.81	€94.17
2. Charges							
Annual Charges	Time Usage %						
Academic Users	80		€21,830.11	€22,266.71	€55,796.63	€61,373.10	€63,642.73
Industry Users	20		€21,551.89	€21,656.96	€29,725.95	€31,067.93	€31,614.12
Other							
Total Annual Charges			€43,382.00	€43,923.67	€85,522.58	€92,441.03	€95,256.85
Net Deficit/Surplus							
			€16,094.36	€16,090.28	€15,776.79	€15,724.65	€15,703.43
Economic Cost for Industry Rates							
Total Net Operating Cost			€27,287.63	€27,833.39	€69,745.79	€76,716.38	€79,553.41
e.g.							
+ exchequer-funded costs			€0.00	€0.00	€0.00	€0.00	€0.00
+ depreciation (over useful life)			€81,541.87	€81,541.87	€81,541.87	€81,541.87	€81,541.87
+ overheads			€3,000.00	€3,000.00	€3,000.00	€3,000.00	€3,000.00
- VAT included in purchase price/operating costs			€4,070.05	€4,090.46	€5,657.91	€5,918.60	€6,024.70
+/- other							
Full Economic Cost			€107,759.46	€108,284.80	€148,629.75	€155,339.65	€158,070.58
Full Economic Cost per Hour (industry charge rate)			€127.56	€128.18	€175.93	€183.88	€187.11