SFI Infrastructure Call 2018 Access Charge Plan Template							
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		ess Charge Plan					
Name of Infrastructure	System 1: High throughput IR spectral						
Cost of Infrastructure €	33881	5.8					
Key Responsible Investigator	Prof. Aoife Gowen						
Location (Department, Centre)	UCD School of Biosystems and Food Er	ngineering, S0.40, UC	D Science Ce	ntre South			
	P	Per Year Plan	1				
		1. Costs	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Category	Detail						
			€	€	€	€	€
<u>Staff</u>	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
	Co2 gas for environmental chamber		€360.00	€2,346.00	€374.54	€362.03	€369.66
	gas N2 to purge system		€360.00	€2,346.00 €367.20	€2,392.92 €374.54	€382.03	€389.68
	gas nz to purge system		£300.00	£307.20	€374.04	€362.03	£309.00
<u>Maintenance / Servicing Costs</u>	1. Maintenance		€0.00	€0.00	€28,997.25	€30,447.11	€31,969.47
<u>Other Costs</u>							
Total Gross Operating Costs			€17,094.92	€17,436.82	€46,782.81	€48,588.38	€50,473.56
Less Exchequer-Funded Costs			C11.071.00	614.050.40	î		
Less School Funded Cost			<u> </u>	-€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	84
Cost per Hour (academic)			€20.24	€20.64	€55.38	€57.51	€59.75
2. Charges							
Annual Charges		Time Usage %					
Academic Users			612 675 04	£13 040 46	€37 426 25	€38 870 70	€40,378.85
		80	€13,075.94	£13,343.40			
							€19.882.74
Industry Users		20	€10,519.29			€19,460.15	€19,882.74
Industry Users Other			€10,519.29		€19,054.05		
Industry Users Other Total Annual Charges			€10,519.29 €24,195.23	€10,587.22 €24,536.67	€19,054.05 €56,480.29	€19,460.15 €58,330.85	€60,261.59
Industry Users Other Total Annual Charges			€10,519.29	€10,587.22	€19,054.05	€19,460.15	
Industry Users Other Total Annual Charges Net Deficit/Surplus	es		€10,519.29 €24,195.23	€10,587.22 €24,536.67	€19,054.05 €56,480.29	€19,460.15 €58,330.85	€60,261.59
Industry Users Other Total Annual Charges Net Deficit/Surplus Economic Cost for Industry Rate Total Net Operating Cost	8 <u>5</u>		€10,519.29 €24,195.23 €7,100.30	€10,587.22 €24,536.67 €7,099.85	€19,054.05 €56,480.29	€19,460.15 €58,330.85 €9,742.47	€60,261.59
Industry Users Other Total Annual Charges Net Deficit/Surplus Economic Cost for Industry Rate Total Net Operating Cost e.g.	<u>es</u>		€10,519.29 €24,195.23 €7,100.30 €17,094.92	€10,587.22 €24,536.67 €7,099.85 €17,436.82	€19,054.05 €56,480.29 €9,697.49 €46,782.81	€19,460.15 €58,330.85 €9,742.47 €48,588.38	€60,261.59 €9,788.03 € <b>50,473.56</b>
Industry Users Other Total Annual Charges Net Deficit/Surplus Economic Cost for Industry Rate Total Net Operating Cost e.g. + exchequer-funded costs	es		€10,519.29 €24,195.23 €7,100.30 €17,094.92 €0.00	€10,587.22 €24,536.67 €7,099.85 €17,436.82 €0.00	€19,054.05 €56,480.29 €9,697.49 €46,782.81 €14,074.92	€19,460.15 €58,330.85 €9,742.47 €48,588.38 €14,356.42	€60,261.59 €9,788.03 € <b>50,473.56</b> €14,643.55
Industry Users Other Total Annual Charges Net Deficit/Surplus Economic Cost for Industry Rate Total Net Operating Cost e.g. + exchequer-funded costs + depreciation (over useful life)	8 <u>9</u>		€10,519.29 €24,195.23 €7,100.30 €17,094.92 €0.00 €33,881.58	€10,587.22 €24,536.67 €7,099.85 €17,436.82 €0.00 €33,881.58	€19,054.05 €56,480.29 €9,697.49 €46,782.81 €14,074.92 €33,881.58	€19,460.15 €58,330.85 €9,742.47 €48,588.38 €14,356.42 €33,881.58	€60,261.59 €9,788.03 €50,473.56 €14,643.55 €33,881.58
Industry Users Other Total Annual Charges Net Deficit/Surplus Economic Cost for Industry Rate Total Net Operating Cost e.g. + exchequer-funded costs + depreciation (over useful life) + overheads			€10,519.29 €24,195.23 €7,100.30 €17,094.92 €0.00 €33,881.58 €3,000.00	€10,587.22 €24,536.67 €7,099.85 <b>€17,436.82</b> €0.00 €33,881.58 €3,000.00	€19,054.05 €56,480.29 €9,697.49 €46,782.81 €14,074.92 €33,881.58 €3,000.00	€19,460.15 €58,330.85 €9,742.47 €48,588.38 €14,356.42 €33,881.58 €3,000.00	€60,261.55 €9,788.03 €50,473.56 €14,643.55 €33,881.58 €3,000.00
Industry Users Other Total Annual Charges Net Deficit/Surplus Economic Cost for Industry Rate Total Net Operating Cost e.g. + exchequer-funded costs			€10,519.29 €24,195.23 €7,100.30 €17,094.92 €0.00 €33,881.58	€10,587.22 €24,536.67 €7,099.85 €17,436.82 €0.00 €33,881.58	€19,054.05 €56,480.29 €9,697.49 €46,782.81 €14,074.92 €33,881.58	€19,460.15 €58,330.85 €9,742.47 €48,588.38 €14,356.42 €33,881.58	€60,261.55 €9,788.03 €50,473.56 €14,643.55 €33,881.58 €3,000.00
Industry Users Other Total Annual Charges Net Deficit/Surplus Economic Cost for Industry Rate Total Net Operating Cost e.g. + exchequer-funded costs + depreciation (over useful life) + overheads - VAT included in purchase price/			€10,519.29 €24,195.23 €7,100.30 €17,094.92 €0.00 €33,881.58 €3,000.00	€10,587.22 €24,536.67 €7,099.85 €17,436.82 €0.00 €33,881.58 €3,000.00	€19,054.05 €56,480.29 €9,697.49 €46,782.81 €14,074.92 €33,881.58 €3,000.00	€19,460.15 €58,330.85 €9,742.47 €48,588.38 €14,356.42 €33,881.58 €3,000.00	€60,261.59 €9,788.03 € <b>50,473.56</b> €14,643.55

SFI Infrastructure Call 2018 Access Charge Plan Template							
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	Acc	ess Charge Plan					
Name of Infrastructure	System 2: High spatial resolution IR sp	ectral imaging syste	em				
Cost of Infrastructure €	81541						
Key Responsible Investigator	Prof. Aoife Gowen						
Location (Department, Centre)	UCD School of Biosystems and Food Er	ngineering, S0.40, UC	D Science Ce	ntre South			
	P	Per Year Plan					
0-1	Deteil	1. Costs	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Category	Detail		€	€	€	€	€
			E	E			
<u>Staff</u>	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
materialo a conoumableo	CO2 gas for environmental chamber		€360.00	€367.20	€374.54		€389.68
	AFM probes, calibration samples		<b>CO 000 00</b>	60.040.00	60,000,00	€4,335.00	
	CaF2 slides gas N2 to purge system		€2,300.00 €1,668.00	€2,346.00 €1,701.36	€2,392.92 €1,735.39		€2,489.59 €1,805.50
Maintenance / Servicing Costs			€1,008.00	£1,701.30			
	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	84
Cost per Hour (academic)			622.20	633.05	600.56	€90.81	€94.17
		2. Charges	€32.30	€32.95	€82.56	€90.81	€94.1
Annual Charges		Time Usage %					
Academic Users			€21,830.11				
Industry Users Other		20	€21,551.89	€21,656.96	€29,725.95	€31,067.93	€31,614.12
Total Annual Charges			€43,382.00	€43,923.67	€85,522.58	€92,441.03	€95,256.85
Net Deficit/Surplus				<u></u>			
			€16,094.36	€16,090.28	€15,776.79	€15,724.65	€15,703.43
Economic Cost for Industry Rat Total Net Operating Cost	es		€27,287.63	€27,833.39	€69,745.79	€76,716.38	€79,553.41
e.g.	-		221,201.03	221,033.39	205,145.19	210,110.38	2/5,000.41
+ exchequer-funded costs			€0.00	€0.00	€0.00	€0.00	€0.00
+ depreciation (over useful life)			€81,541.87				
+ overheads			€3,000.00				
- VAT included in purchase price/	/operating costs		€4,070.05				
+/- other							
Full Feenemie Ceat			E407 7E0 46	£100 204 00	E4 40 COO 7E	E4EE 220 CE	€158,070.58
Full Economic Cost Full Economic Cost per Hour (in			€107,7 <b>59.46</b> €127.56	€128.18			