

CPC Subclass (Y02–Y04S)			AI Functional Category (AIPD)		
Subclass	Count	Pct. (%)	Category	Count	Pct. (%)
Y02T: Transportation mitigation	23614	23.5	AI-Assisted Planning & Control	36556	57.7
Y02D: ICT energy reduction	18637	18.5	AI Hardware	24432	38.6
Y02E: Energy generation & distribution	14749	14.7	Knowledge Representation & Reasoning	11 640	18.4
Y02P: Manufacturing mitigation	14 563	14.5	Computer Vision	6 451	10.2
Y04S: Smart grids	12 820	12.8	Machine Learning	5 893	9.3
Y02B: Buildings & appliances mitigation	8 521	8.5	Evolutionary Computation	5 275	8.3
Y02A: Climate change adaptation	6 019	6.0	Natural Language Processing	3 143	5.0
Y02W: Waste & wastewater management	1 377	1.4	Speech Processing	1 100	1.7
Y02C: GHG capture & storage	202	0.2			

Table 1: Green CPC Subclasses and AI Functional Categories (AIPD)