

patent families for emerging environment assistive technology filed across 34 patent offices

## What technologies are involved?



**Smart homes** 

**Assistive robots 439** (38%)

**Smart cities** 273 (24%)

Recent growth has been primarily driven by China-based inventors, who accounted for 50% of the patent documents filed since 2013.

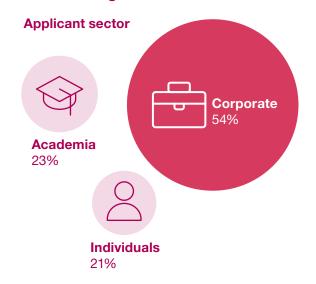
Emerging environment assistive technology includes inventions that use advanced or enabling technology (including advanced sensors and Internet of Things, artificial intelligence and advanced robotics) to assist users at home or in public spaces. These enabling technologies allow for reliable and efficient solutions in established smart home and city concepts.

## Which are the fastest growing technologies?

**Environment** is the **fastest growing domain** within the emerging assistive technology space with an average annual growth rate (AAGR) of 42% between 2013 and 2017

Strong growth was recorded for companion robots with 55% AAGR and for vertical movement technologies with 52% AAGR between 2013 and 2017

## Who is filing?



## Top patent applicants

Panasonic (Japan)	19
Toyota (Japan)	15
Chongqing Youbanjia Technology (China)	12
Sony (Japan)	11
Ningbo Jingjie International Logistics (China)	11