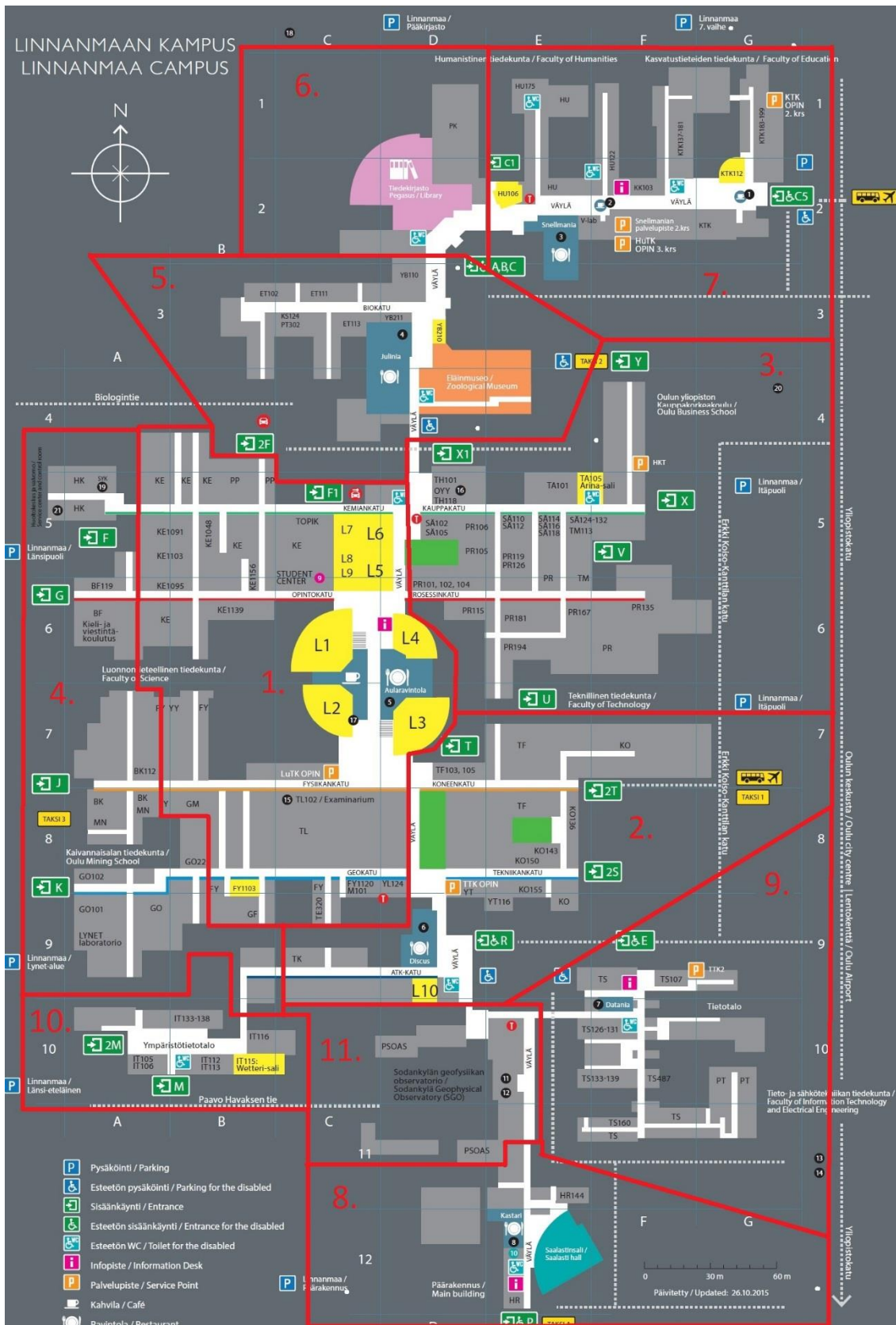


The University of Oulu consists of different sectors of which most have been built separately and have different construction years (Figure below). The oldest sectors were built in the 70s and the newest one in 2002. This leads to the buildings having different types of energy profiles depending on the structure, the design and the services the building offers.



As it can be seen in figure, the university building services provider has divided the university into separate zones that all have energy measuring in place. The zones have been selected as to divide buildings of different construction year into different zones. Each of the zones has measuring for electricity and district heat. The data acquired by the measuring system is sent automatically to a monitoring system. The data can be viewed and gathered from this computer system. Information about the different university sectors can be seen in table below.

Building	Number	Year of construction	Size (m <sup>2</sup> )	Use
Sector 1	1	1970 - 1977	39 145	Education, Research, Offices
Sector 2	2	1970 - 1977	18 770	Education, Research, Offices
Sector 3	3	1970 - 1977	18 130	Education, Research, Offices
Sector 4 (Under renovation)	4	1980	16 225	Education, Research, Offices, Building services
Sector 5	5	1983	12 810	Museum, Offices, Education
Sector 6	6	1987	9 280	Library, Offices
Sector 7	7	1992	17 300	Education, Offices, Research
Administrative building	8	1998	6 000	Offices
Information sciences	9	2002	11 615	Offices, Research, Education
Environmental sciences	10	2011		Offices, Research, Education

As it can be seen in from table, the university buildings differ in many ways. They are from different times with different construction regulations and techniques. They also offer different services although most buildings offer spaces for education. It should be noted that sector four is under renovation.