



European Spallation Source, Lund

- world's first climate neutral research centre



Name	European Spallation Source, the world's most powerful neutron source
Location	Lund, southern Sweden
Special importance	<p>Will become world's first climate neutral research centre</p> <p>To be achieved through three measures:</p> <ul style="list-style-type: none"> • Only electricity from renewable energy sources such as wind power and/or bioenergy • Reduce the need for electricity by 20 per cent through energy-saving measures and energy-saving construction. • Reuse of excess heat in the district heating system
Total area	100 hectares, but this also includes open green spaces, laboratories and administrative buildings. The main building, the accelerator, is 800 meters long.
Power	40 MW 0,3 TWh yearly consumption
Connectivity	Close to the Global Internet Exchange Points in Malmö and Copenhagen.