

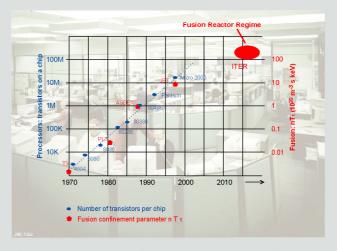
## THE WAY AHEAD

Progress in fusion has been constant in the past years thanks to the world wide research effort.

The recommended forthcoming steps for the development of fusion are:

ITER – the "next step"
Fusion Power: 500 MW
Long-duration burning plasma

DEMO – the demonstration plant Fusion Power: 2 GW Net electricity production



Progress in fusion nT\u03c4 product is comparable to the progress in the performance of microprocessors over the same period

A possible faster track approach to fusion power would require the rapid construction of ITER and IFMIF (a fusion materials testing facility) followed by the production of electricity in the demonstration plant.

## **DEVELOPMENT AND DEPLOYMENT OF FUSION POWER**

2000-2030	Construction and operation of ITER
	Construction and operation of IFMIF
	Accompanying R&D to optimise ITER and IFMIF operations,
	improve materials and plasma regimes, test alternative approaches
2030-2050	Construction and operation of a plant to demonstrate fusion power
	Fusion electricity delivered to the grid
	Deployment of a first generation of fusion power plants
2050-2100	Deployment of a second generation of fusion power plants