



Strål
säkerhets
myndigheten

Swedish Radiation Safety Authority

HOW TO SECURE COMPETENCE IN RADIATION SAFETY?

Knowledge management

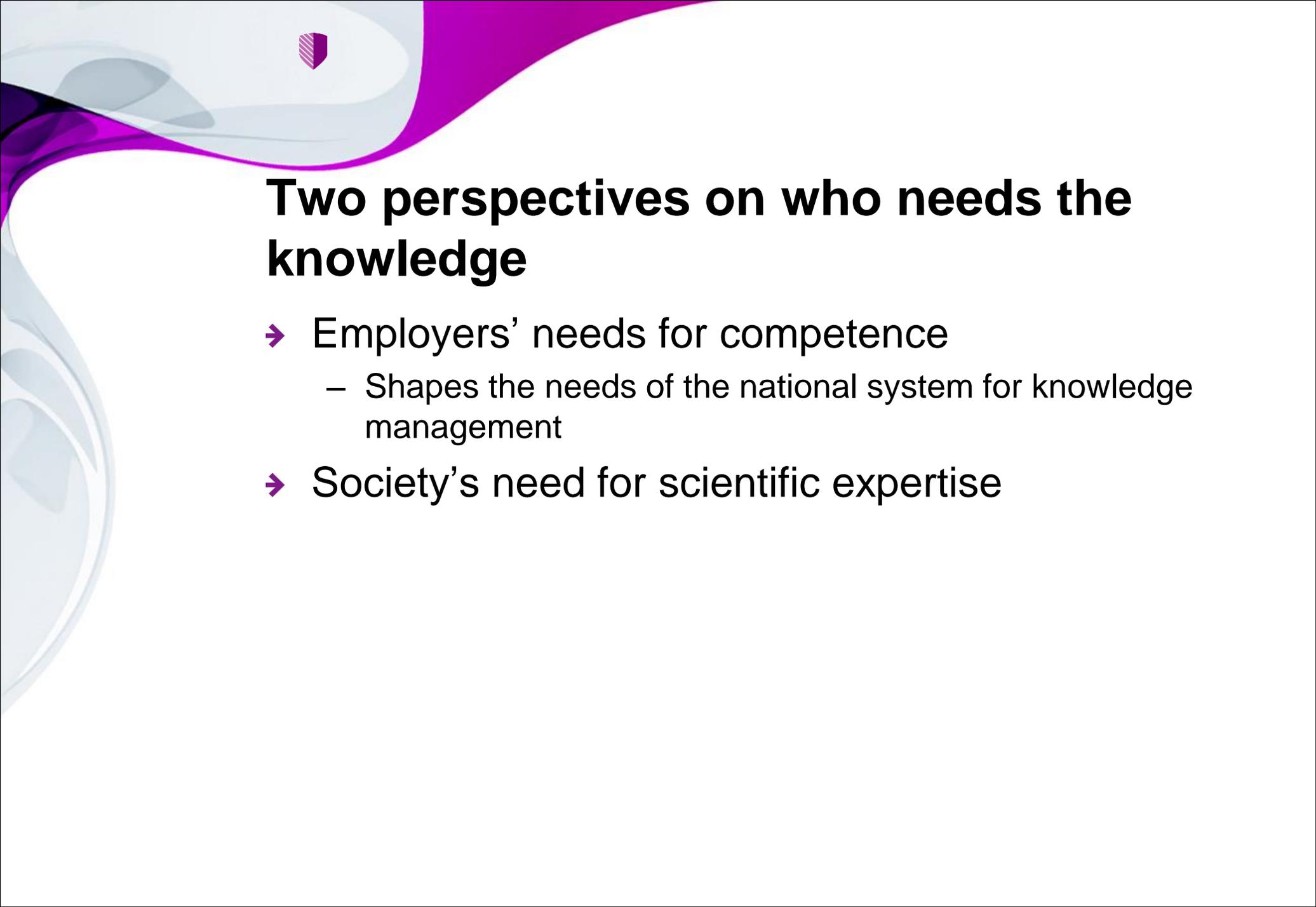


Perspectives on knowledge management, radiation safety



A national framework for knowledge management

- Universities educate students and provide funding for researchers
- Dynamic research environments provide knowledge, and contribute to high quality education
- Students are attracted to higher education and can foresee being employed
- Employers recruit educated people



Two perspectives on who needs the knowledge

- Employers' needs for competence
 - Shapes the needs of the national system for knowledge management
- Society's need for scientific expertise

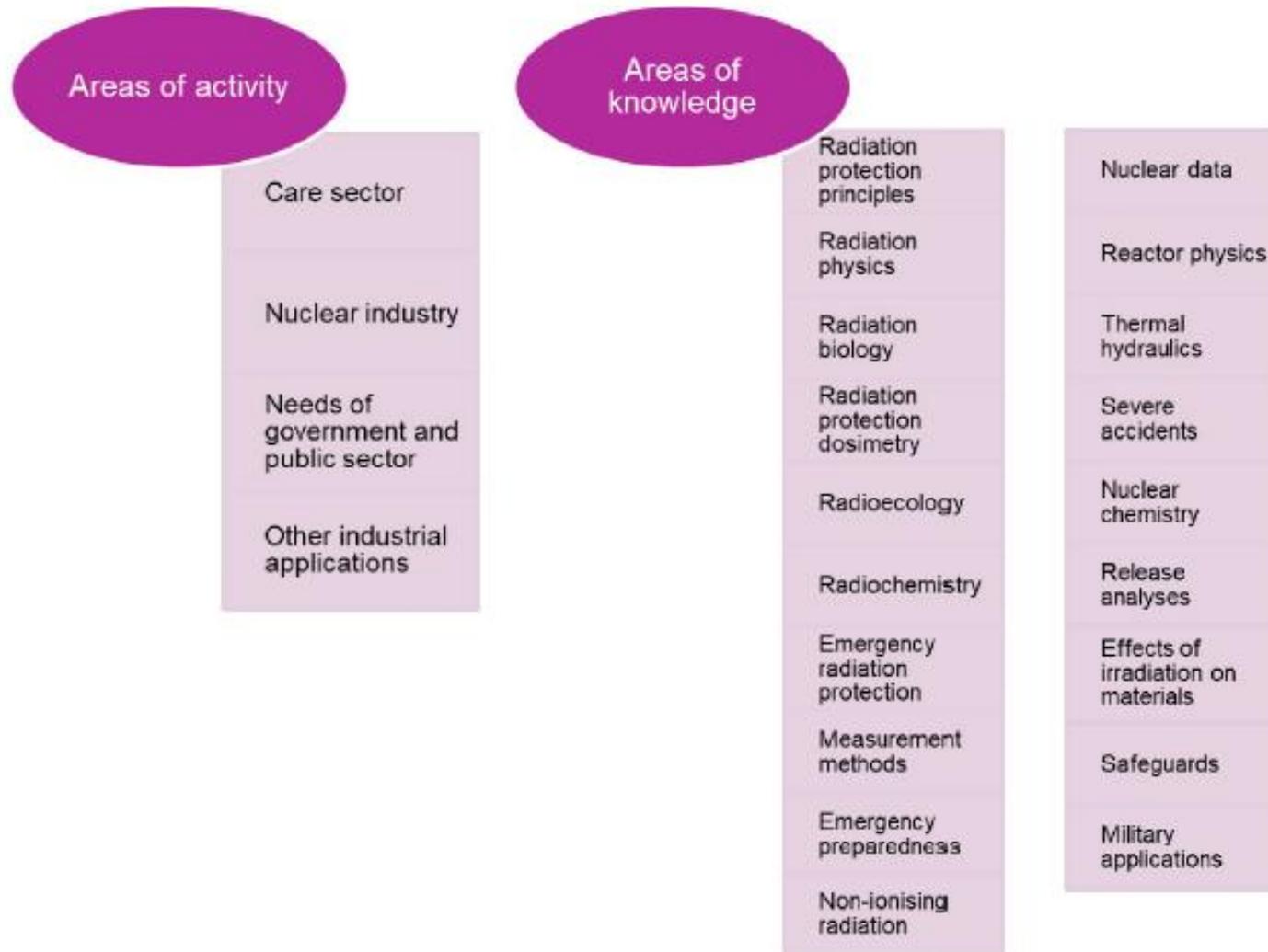


Four sectors

- ➔ Nuclear power sector
- ➔ Other industrial applications
- ➔ Health care activities
- ➔ Government authorities



Complex matching



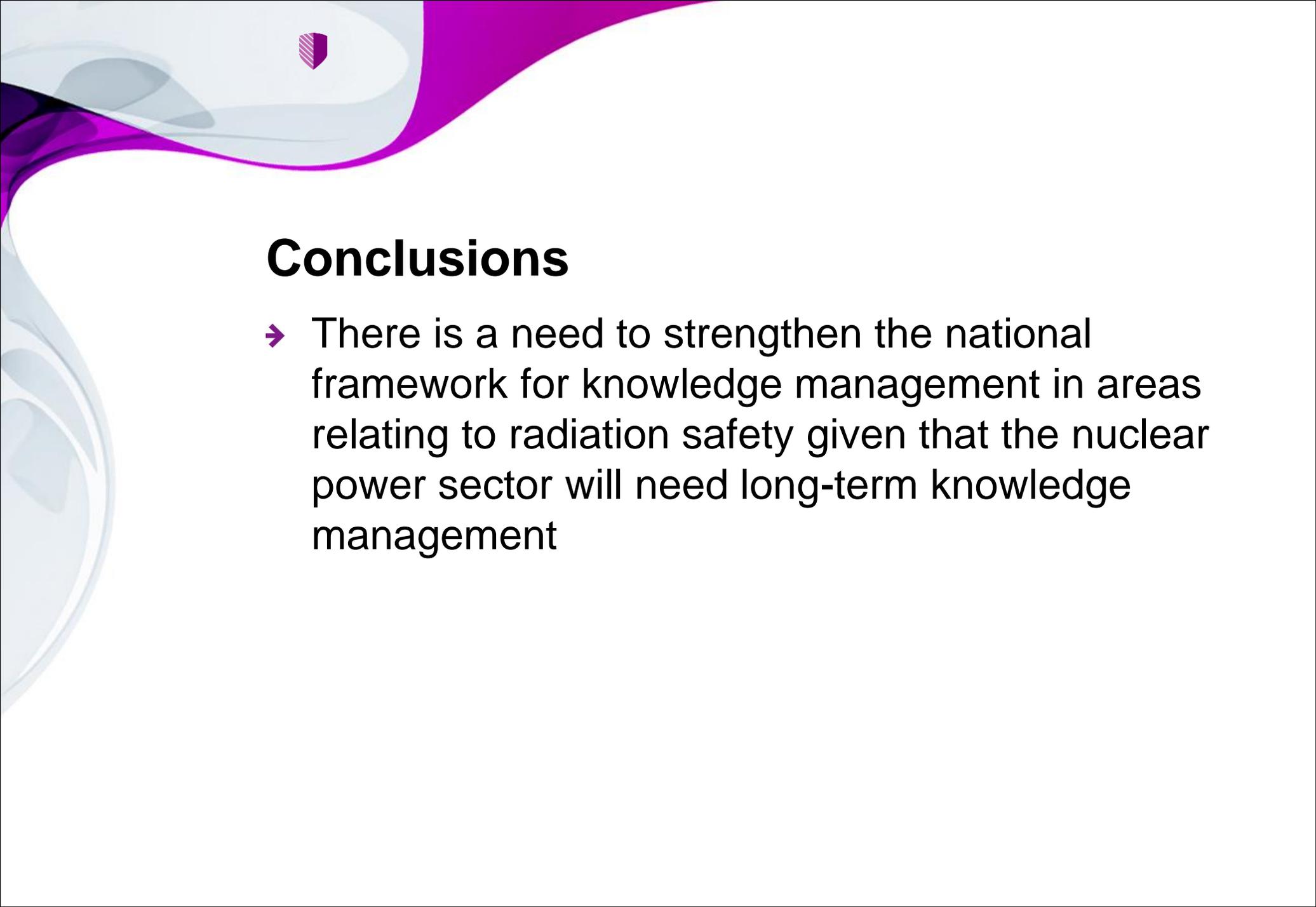


Difficulties with monitoring and controlling the framework

- The radiation safety sector is fragmented
- Radiation safety only constitutes part of the main actors' business – not the core business
- Radiation safety is not a discipline on its own within the basic sciences, but has several cross-disciplinary links,

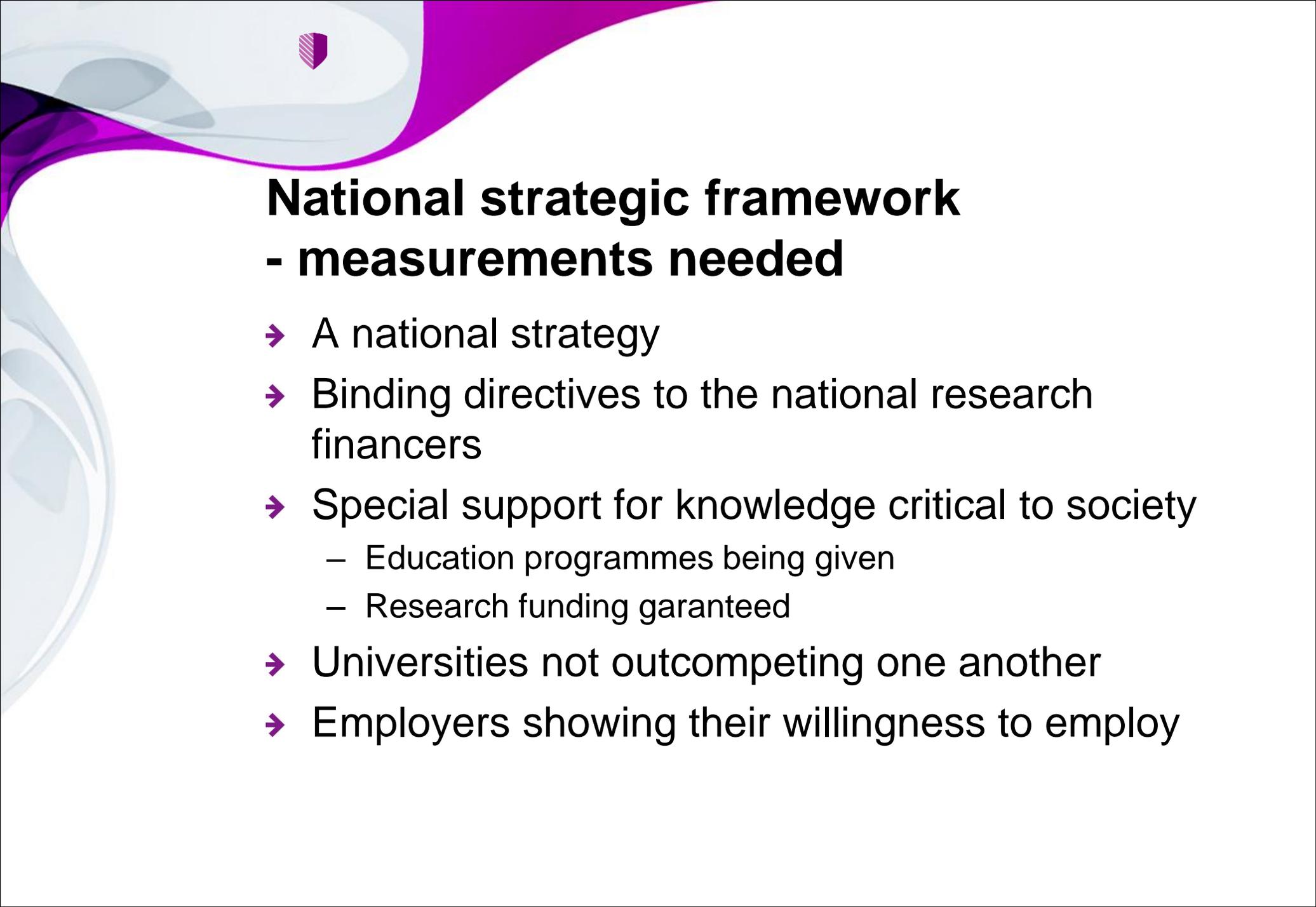


Results



Conclusions

- ➔ There is a need to strengthen the national framework for knowledge management in areas relating to radiation safety given that the nuclear power sector will need long-term knowledge management



National strategic framework - measurements needed

- A national strategy
- Binding directives to the national research financiers
- Special support for knowledge critical to society
 - Education programmes being given
 - Research funding guaranteed
- Universities not outcompeting one another
- Employers showing their willingness to employ

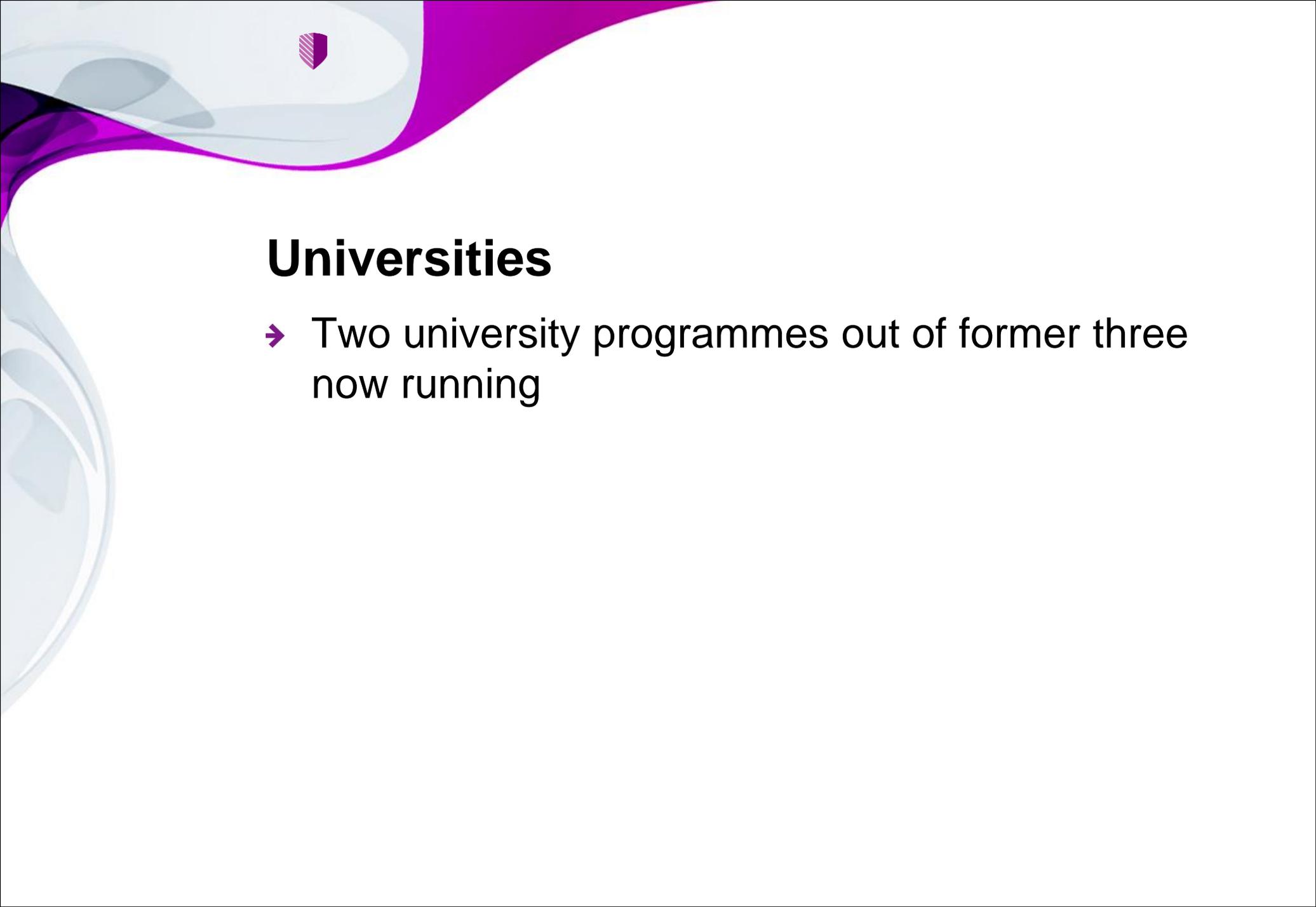


Today



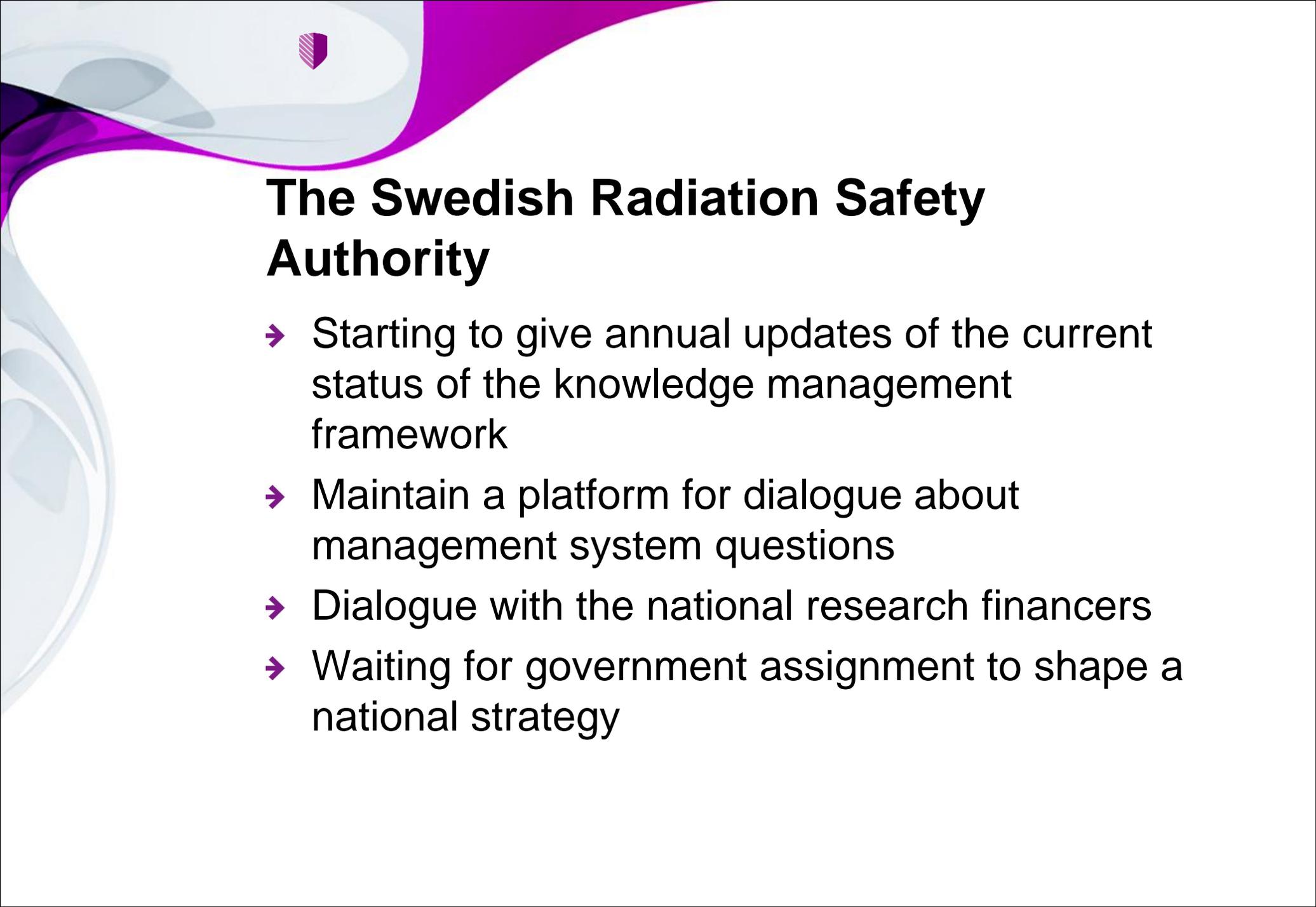
Nuclear power industry

- Recruitment campaigns
 - It is possible to recruit, but the cost is higher
- Establishing a network for future competence supply



Universities

- ➔ Two university programmes out of former three now running



The Swedish Radiation Safety Authority

- Starting to give annual updates of the current status of the knowledge management framework
- Maintain a platform for dialogue about management system questions
- Dialogue with the national research financiers
- Waiting for government assignment to shape a national strategy



Read the report – excerpt in English

<https://www.stralsakerhetsmyndigheten.se/en/press/news/2018/national-coordination-needed-for-long-term-knowledge-management-in-the-field-of-nuclear-safety-and-radiation-protection/>