

**Food,
Drink,
Health and wellbeing**

Ron Stagg

Scottish Government

- Global challenges
- The health challenges
- Policy goals
- Role for Research
- Future Research Strategy

Global challenges

- Food security
- Water security
- Population growth
- Climate change
- Energy
- Disease

Challenge

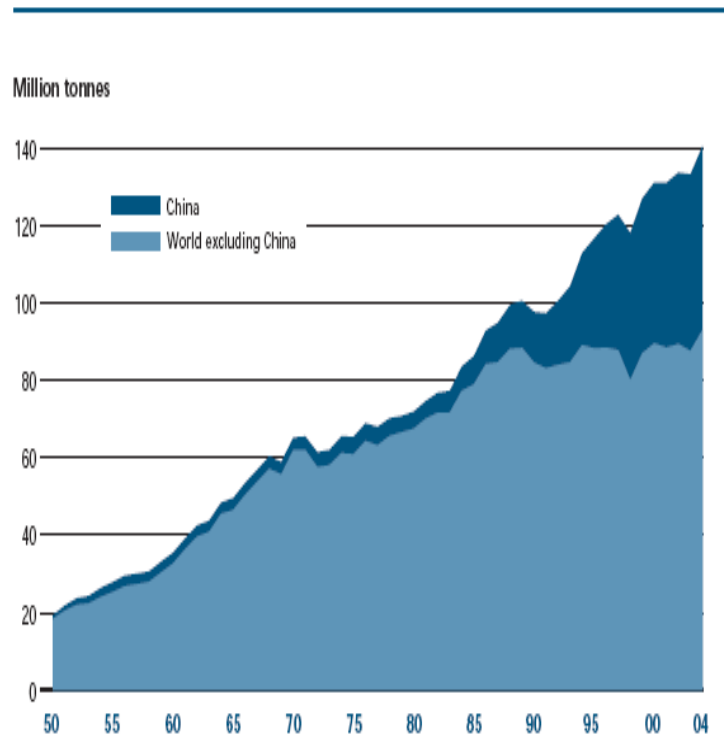
Need to lay the ground work to deliver more food with less resources and with less GHG emissions

....and maintain sustainable economic growth.....

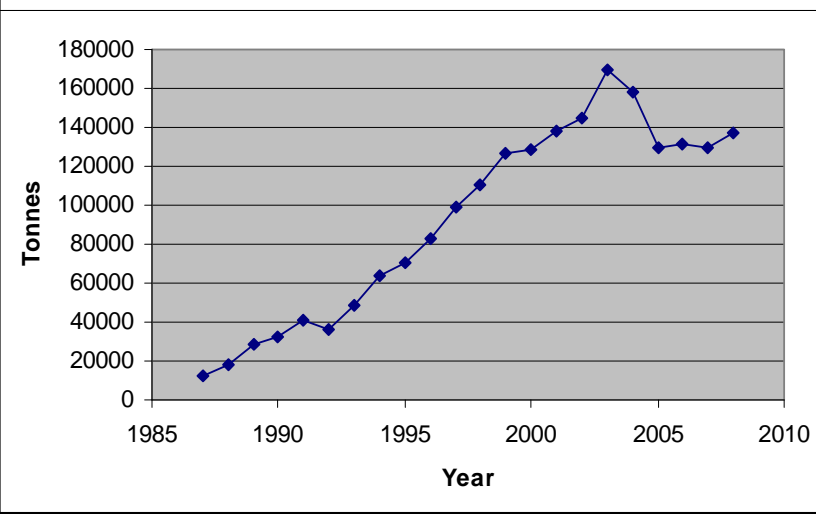


Fisheries and Aquaculture

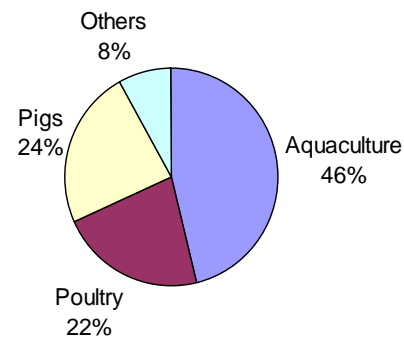
World capture and aquaculture production



Scottish salmon production

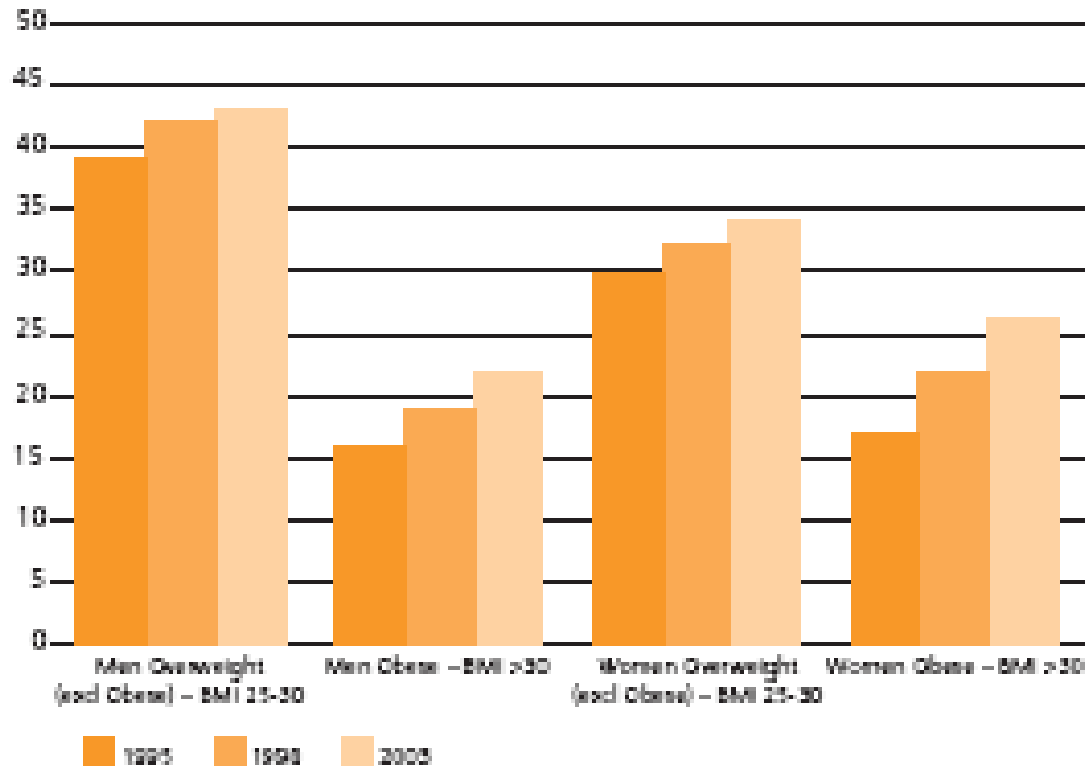


World Fish Meal 2002



The obesity epidemic

Percentage of adults overweight and obese, Scotland, 1995, 1998, 2003

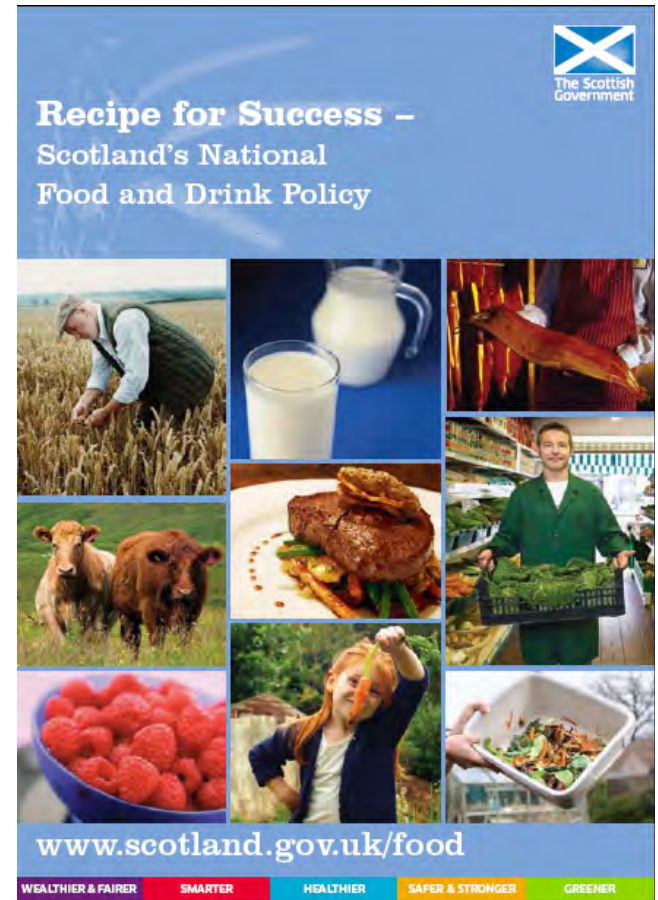


Diet and Health

- Our National diet
- Accessibility to foods
- Societal perceptions of healthy foods
- Medical implications and cost
 - Cost to Scottish NHS over last three years £4.4 million on adaptations for obese patients

Food and Drink Policy

- Support the growth of our food and drink Industry to secure £10 billion sales by 2017
- Build on our reputation as a land of food and drink
- **Ensure we make healthy and sustainable choices**



Food and Drink Policy

- Make our public sector an exemplar for sustainable food procurement
- **Ensure our food supplies are secure and resilient to change**
- **Make food both available and affordable to all**
- **Ensure that people understand more about the food they eat**

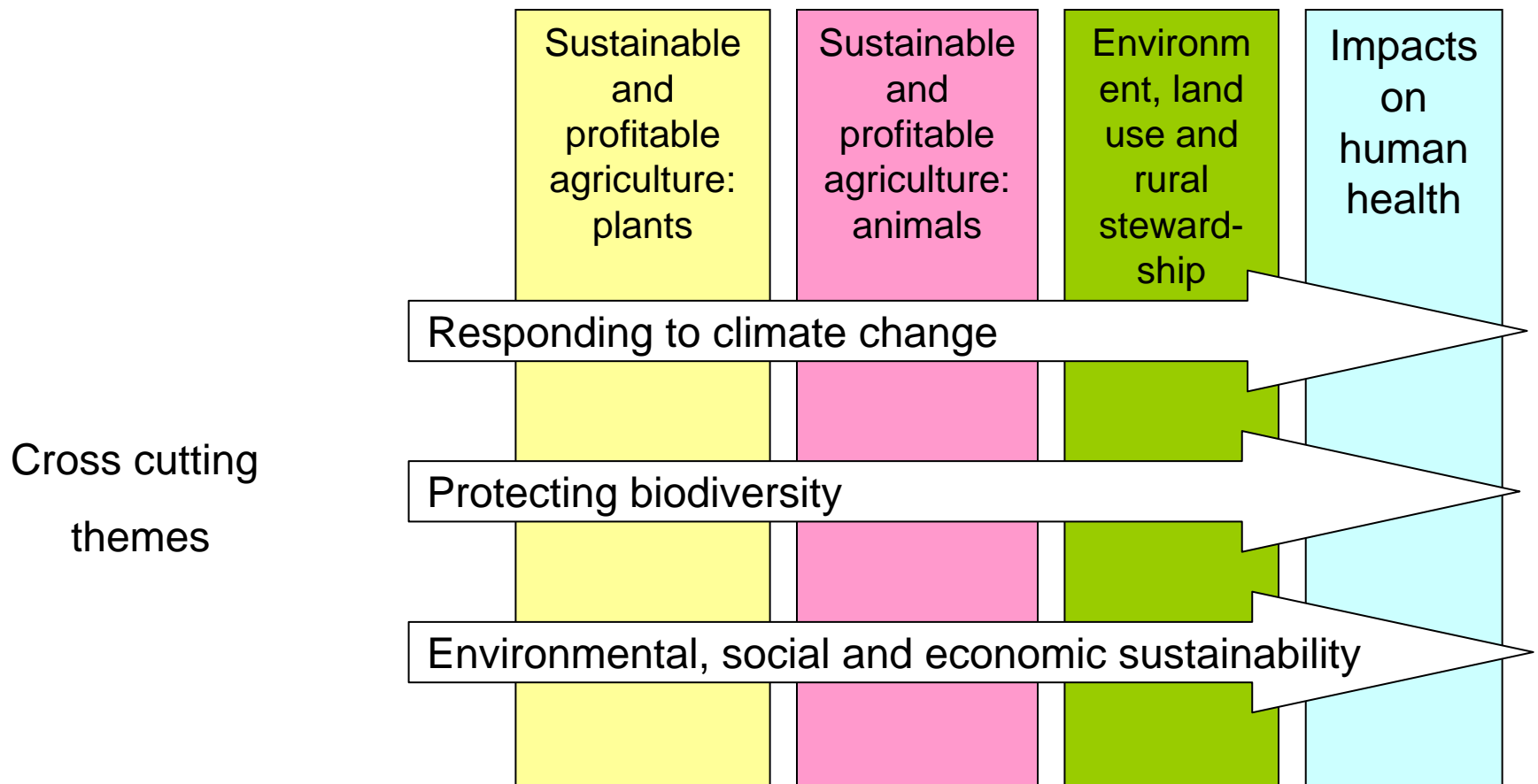
Healthy Eating Active Living

- Healthier Scotland Initiative – An SG action plan to improve diet, increase physical activity and tackle obesity (2008-2011)
- £56 Million investment to improve diet, weight and activity

Integrated Evidence on Food and Diet

- Foresight committee
- Think Tanks
 - Local versus global markets for Scottish Food Producers and Consumers
 - Continuity of Food Supply and Access to Affordable Food
- Food Research Working Group

Current Programmed Research



Integrated into wider networks

- Co-funded projects with DEFRA LINK
- EU co-funded projects through ERANETS
- LWEC projects
- Contribution to BBSRC food security programme
- Rural land use study – exemplar for integrated research

Role of science

- Evidence – improving policy and public services
- Innovation – improving existing business and spinning out new ones
- Improved skills
- Attracting inward R&D investment

Evidence needs

- Food poverty
 - Healthy and affordable food for all
- Food security
 - Global drivers and local responses
- Understanding the link between diet and health
- Encourage societal change towards accepting a healthier diet



Innovation

- Drugs for inflammatory bowel disease
- DNA fingerprinting and water quality
- Vaccines for livestock diseases
- Novel grazing solutions for worm control
- 3D landscape visualisation



Future Research – our new strategy 2011 - 2016

- Integrated approach to food, diet and health
- Food, water and energy security
- Sustainable and efficient use of land
- Opportunities and risks posed by environmental change
- Productive and sustainable farming

Conclusion

- We have gathered the evidence required to develop policies on health, diet and food
- We have identified research questions which need addressed for policy delivery
- We have and are commissioning research reflected in our current programmes and future research strategy
- The research we commission makes a difference

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