



**An
Phríomh-Oifig
Staidrimh**

Central
Statistics
Office

Statistical Training for a New World

CSO's Statistical Training Framework

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Key Objectives

To develop a structured statistical training framework which would

- Build the statistical capacity of the Irish Statistical System
- Enable us to respond to internal and external pressures
- Deliver value for money on training expenditure



The CSO's Statistical Training Framework

1. Design Statistical training model in-house in line with GSBPM

2. Internal working group setup, identify **13 Statistical High-Level Headings**, International experts consulted

5. **Training Interventions** Identified – aligned to the 70:20:10 Model

4. **Skills Register and Role Specification mapping** – skills gaps identified, learning paths can be formulated from these.

3. Descriptors for each statistical skill heading with requirements set out as **introductory, foundation, primary, intermediate and advanced**. All were peer reviewed



The Statistical Training Framework linked to the GSBPM

Statistical Training Framework								
GSBPM							TOPICS	
Specify Needs	Design	Build	Collect	Process	Analyse	Disseminate		Evaluate
								1. Register Management
								2. Sample & Estimation
								3. Survey & Questionnaire Design
								4. Imputation and non-response
								5. Statistical Data Editing
								6. Evaluating user statistical needs
								7. Index Numbers
								8. Regression
								9. Time Series Analysis & Seasonal Adjustment
								10. Statistical Disclosure control
								11. Visualisation and Presentation of Data
								12. Data Matching, Integration and Administrative Data
								13. National Accounts



Results

4,350

- Hours of statistical training were completed in 2021

43%

- Of staff increased their statistical skills by at least one level

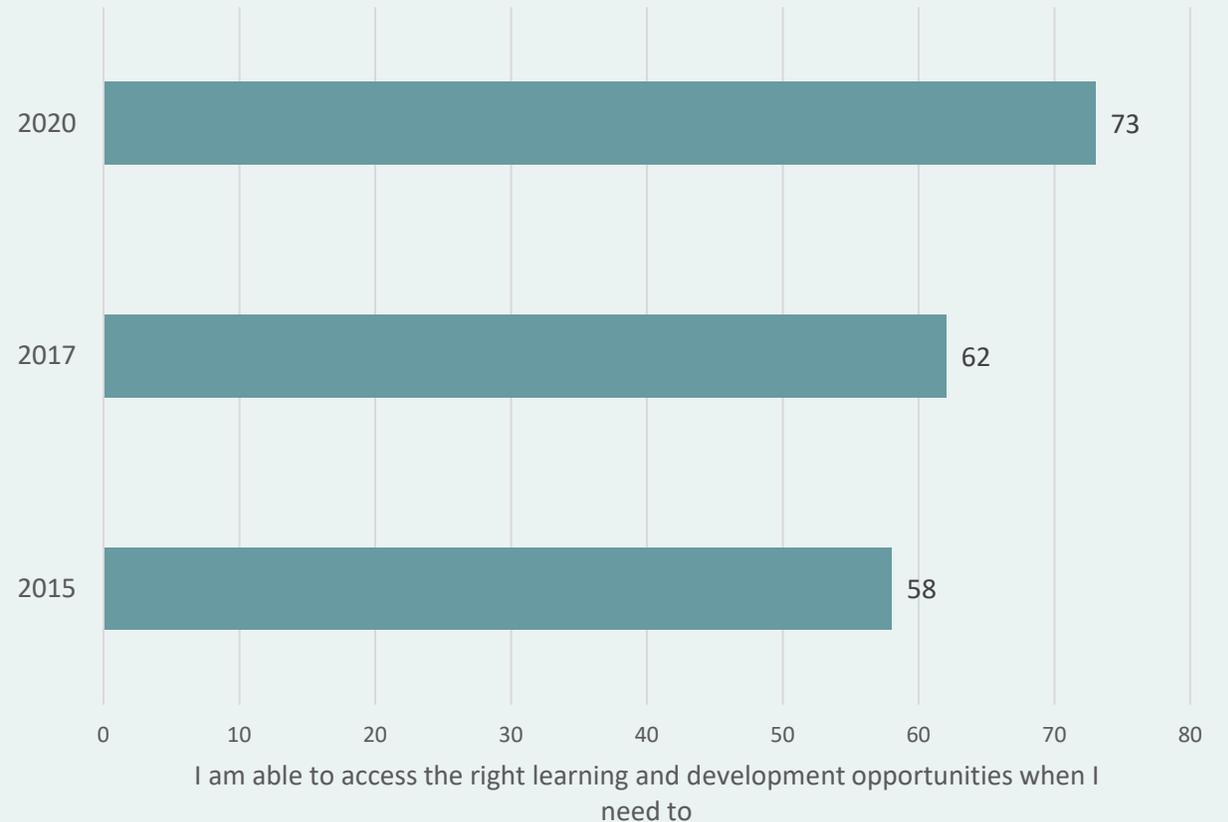
197

- Staff members completed at least one statistical training course in 2021

30

- **Business Partnering sessions** - managers reported an increase in confidence, enhanced methodologies and more innovative staff

Figure 1 The Civil Service Employee Engagement Survey Results, 2020



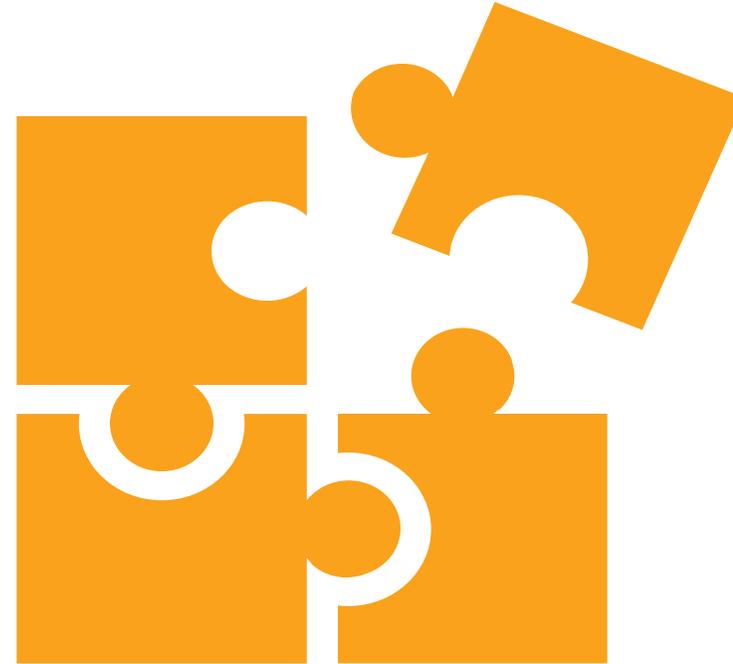
Achieved

- Gold standard model for statistical training
- Value for money – organisational & individual view
- Embedded into the existing practices of the organisation
- Enabled the Irish Statistical System to:
 - grow and develop e.g. Frontier series
 - respond quickly to support decision makers & society e.g. COVID-19 Geohive and data hub



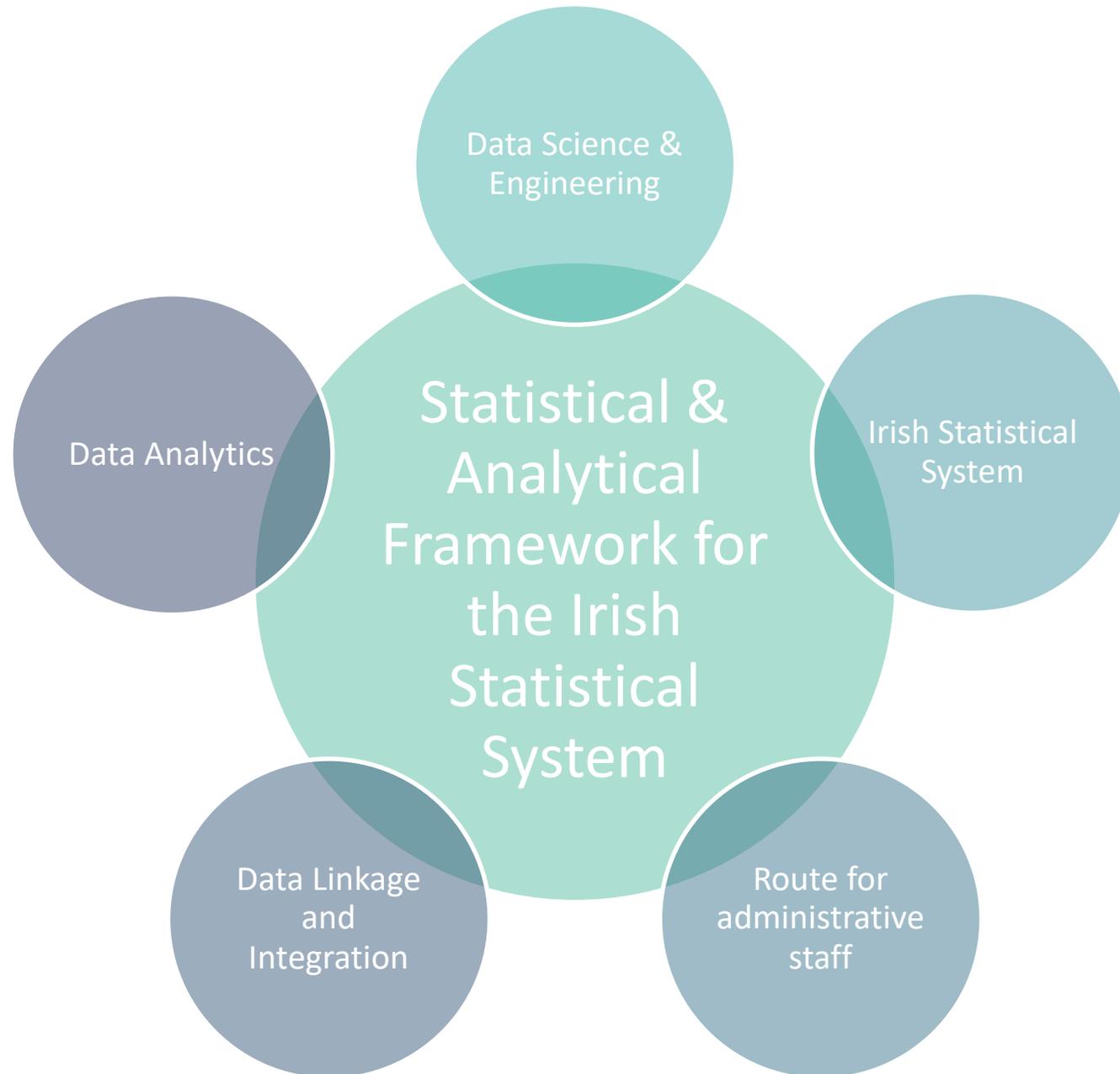
Where to next?

- Challenges
 - Increasing demand
 - Falling response rates
 - Competitive market
 - Skills
 - Data
 - Data Stewardship

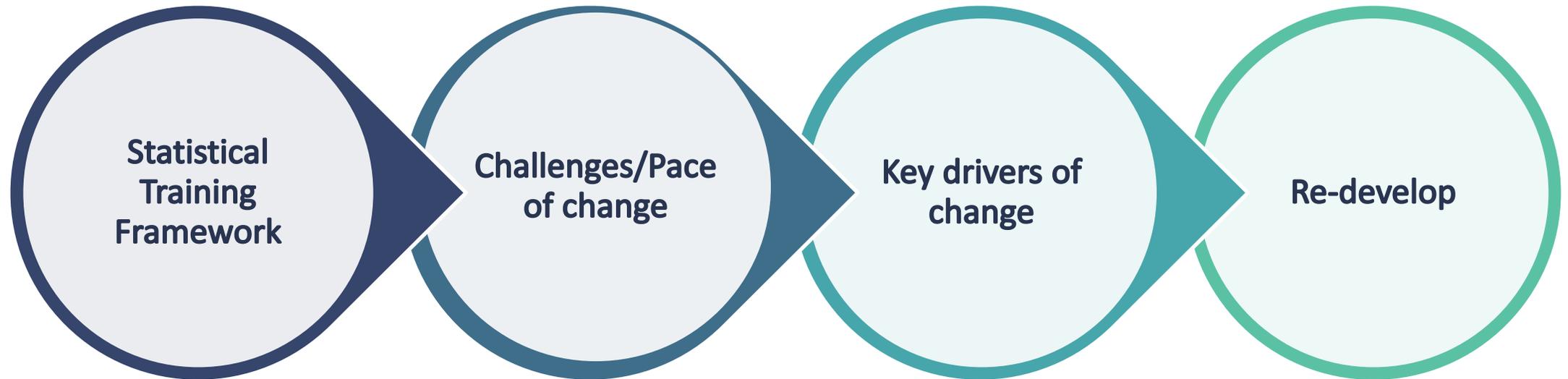


A new perspective on Statistical Training





Summary





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Central
Statistics
Office

Thank you