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Data Collection Design Project

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Today’s outcomes

- To discuss the data collection design project in terms of inputs, outputs, success criteria and timelines
- To review the high level requirements for data to be returned
- To discuss the various options for collection schedules and critique each with pros and cons
- To discuss how one or more of these schedules would impact business as usual and what change would be required
- Understand other concerns and issues

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Agenda

- **Morning sessions 10:00-12:30**
  - Introduction
  - Project history and scope
  - Collections requirements review (W)
  - Collections schedule options review (W)

Lunch 12:30-13:15

- **Afternoon Sessions 13:15-16:00**
  - Collection schedule pros and cons (W)
  - Implementation considerations (W)
  - Feedback and Close

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Data Futures

- Current collection process largely unchanged since 1994
- Redesign the model of data collection
  - More timely
  - More relevant to a wider group of users
  - More flexible
  - Fit for the next quarter of a century
- Part of the broader HEDIIP vision for the information landscape
  - Collective governance
  - Standardisation of data flows
  - Rationalisation of data flows
  - Data capability

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Data Futures

- Outline business case (Spring 2015)
- Funding agreement (Summer 2016)
- Programme governance and management (Autumn 2016)
- Procurement of prime contractor (Jan 2017)
- Collection Design project (Feb 2017)
- Governance/management process (Summer 2017)
- Detailed design (Summer 2017)
- Development and piloting (2017/18 and 2018/19)
- Go live (2019/20)

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Session 1: Requirements (W)

- Key requirements for any collection system
- Pros of the current system
- Cons of the current system
- Support for other activities / output

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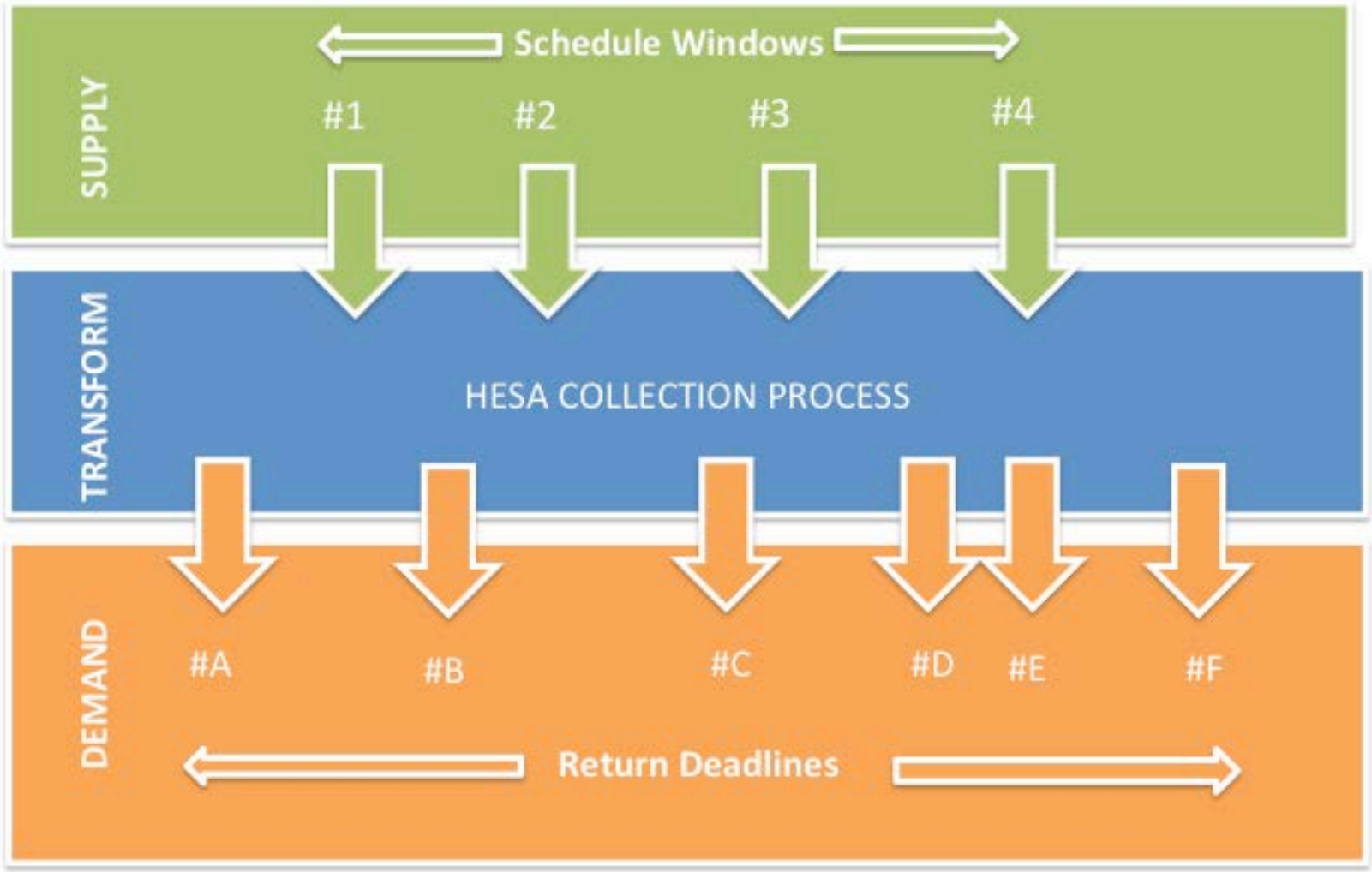
Overview



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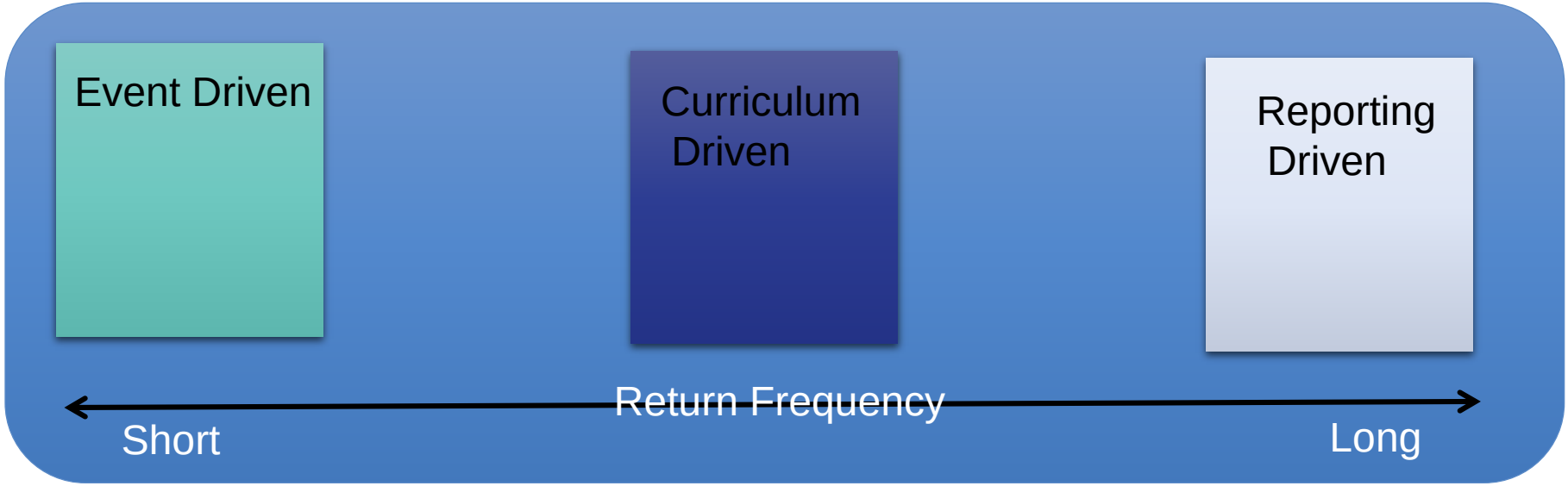
Schedule options – supply side



- All options still based on demand side return deadlines
- Guiding principle is ‘Supply’ is split from ‘Demand’
- Design for what we know and what we expect

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Option 1: Event Driven

- Summary:
  - Change is automatically posted to HESA record
  - Frequent updates
  - Should follow business process
  - Update lag will be business rule dependent
- Pros:
  - Aligned with ‘doing the activity’
  - No separate returns process (in theory)
  - Could be largely automated
  - Other returns may be phased out
- Cons:
  - Technologically complex
  - Business rules would be challenging
  - Significant change in many areas

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Option 2: Curriculum Driven

- Summary
  - What is advertised drives the returns cycle
  - No fixed ‘academic’ year
  - Splits curriculum data from student data
- Pros
  - Aligns to business activities
  - Data is available earlier for new uses
  - Supports non standard provision
  - Other returns may be phased out
- Cons
  - Could be difficult to split the entities
  - Builds another course collection process
  - Significant change

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Option 3: Reporting Driven

- Summary
  - An evolution of what is in place today
  - Similar data collection but performed more often / in cycle
- Pros
  - Smallest amount of business and technological change
  - (might) support current organisation hierarchy
- Cons
  - May not fit well with future requirements
  - Known issues unlikely to be fully or partially resolved
  - Rationalisation will be limited potentially limiting effectiveness at reducing need for other collections

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Session 2: Schedule prototype (W)

- Pros and Cons of each option
- Potential key implementation issues
- Use cases

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Session 3: Collection prototype (W)

- Suggest ‘buckets’ of entities for each collection point
- Potential key implementation issues

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Feedback and close

- Did we achieve our objectives
- Was the session useful/what else can we do
- How do we continue the engagement
- What happens next

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Supporting slides

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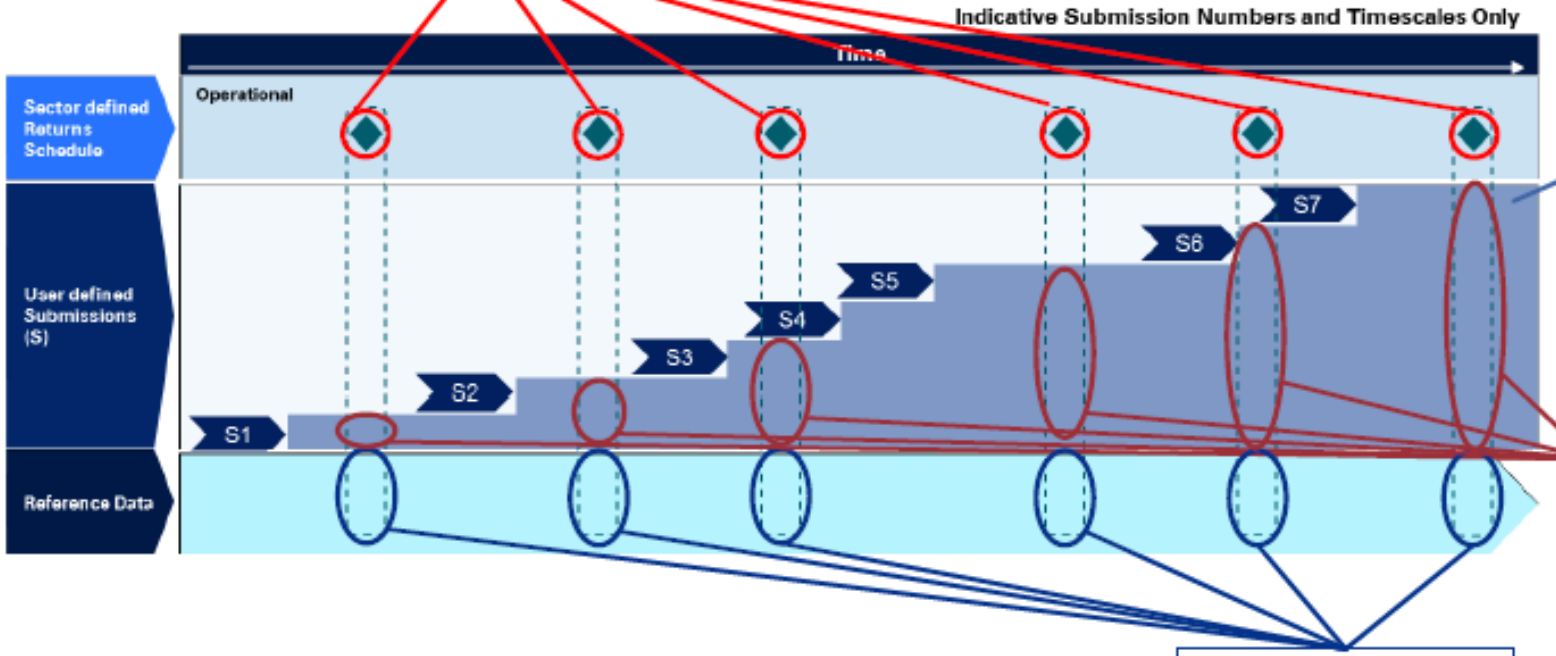
Operational Reporting

The diagram below focuses on the processes specific to Operational Reporting – data collection, collation and reporting.

As a 'snap shot' of current metrics to support forecasting, operational data is provided to Sector Agencies to give an overview of current activity, on the understanding this data may well change during statutory reporting and HEP sign off



HEP submissions continuously update and add to the first submission, building up and expanding content throughout the year

All relevant data that has been submitted up to that point within the annual cycle will be collated from the database to inform the operational Returns Schedule

All relevant Reference Data will also be collated to inform the operational Returns Schedule