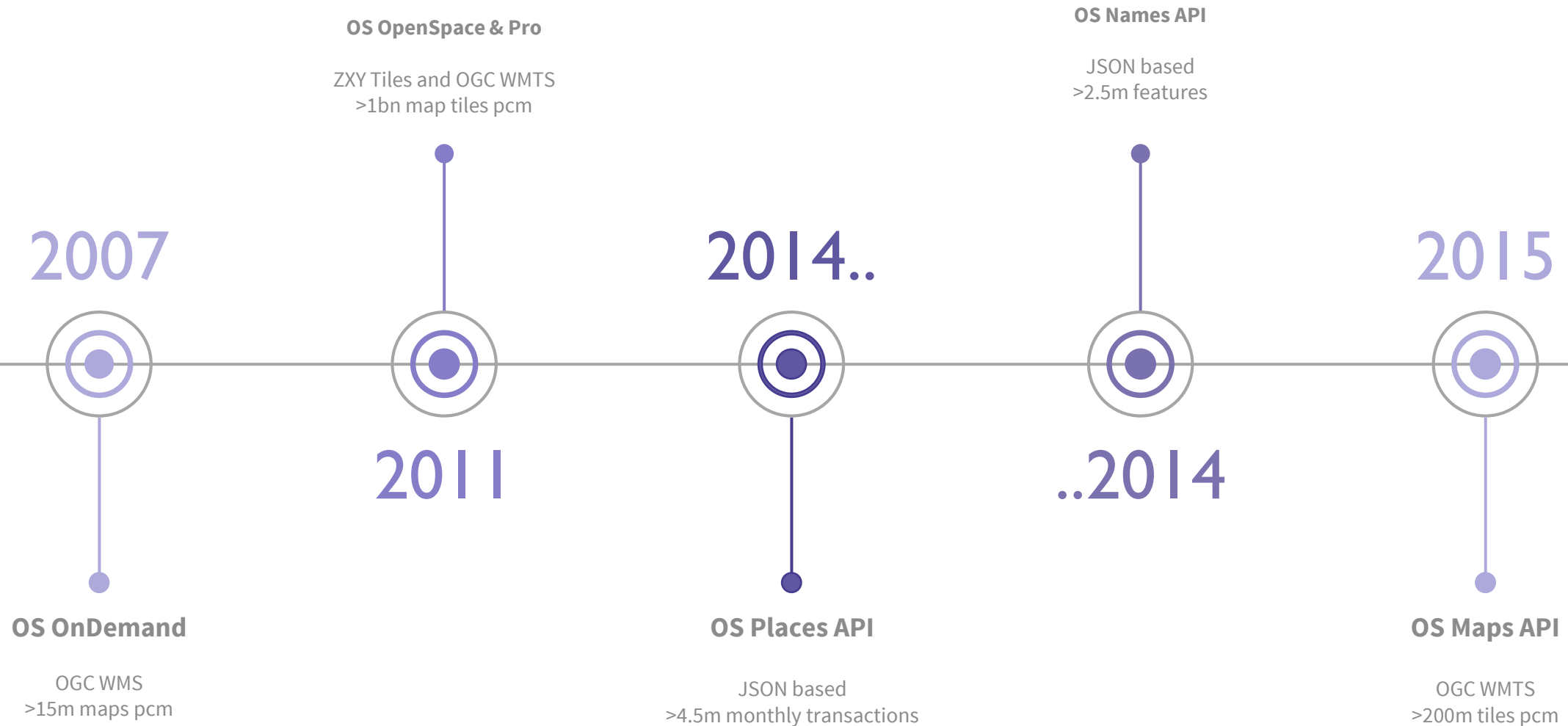# OS Data Hub

Michael Gordon, Strategic Product Manager

Our API journey

OS OpenSpace & Pro

ZXY Tiles and OGC WMTS
>1bn map tiles pcm

OS Names API

JSON based
>2.5m features

2007

2014..

2015

2011

..2014

OS OnDemand

OGC WMS
>15m maps pcm

OS Places API

JSON based
>4.5m monthly transactions

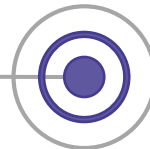**OS Maps API**

OGC WMTS
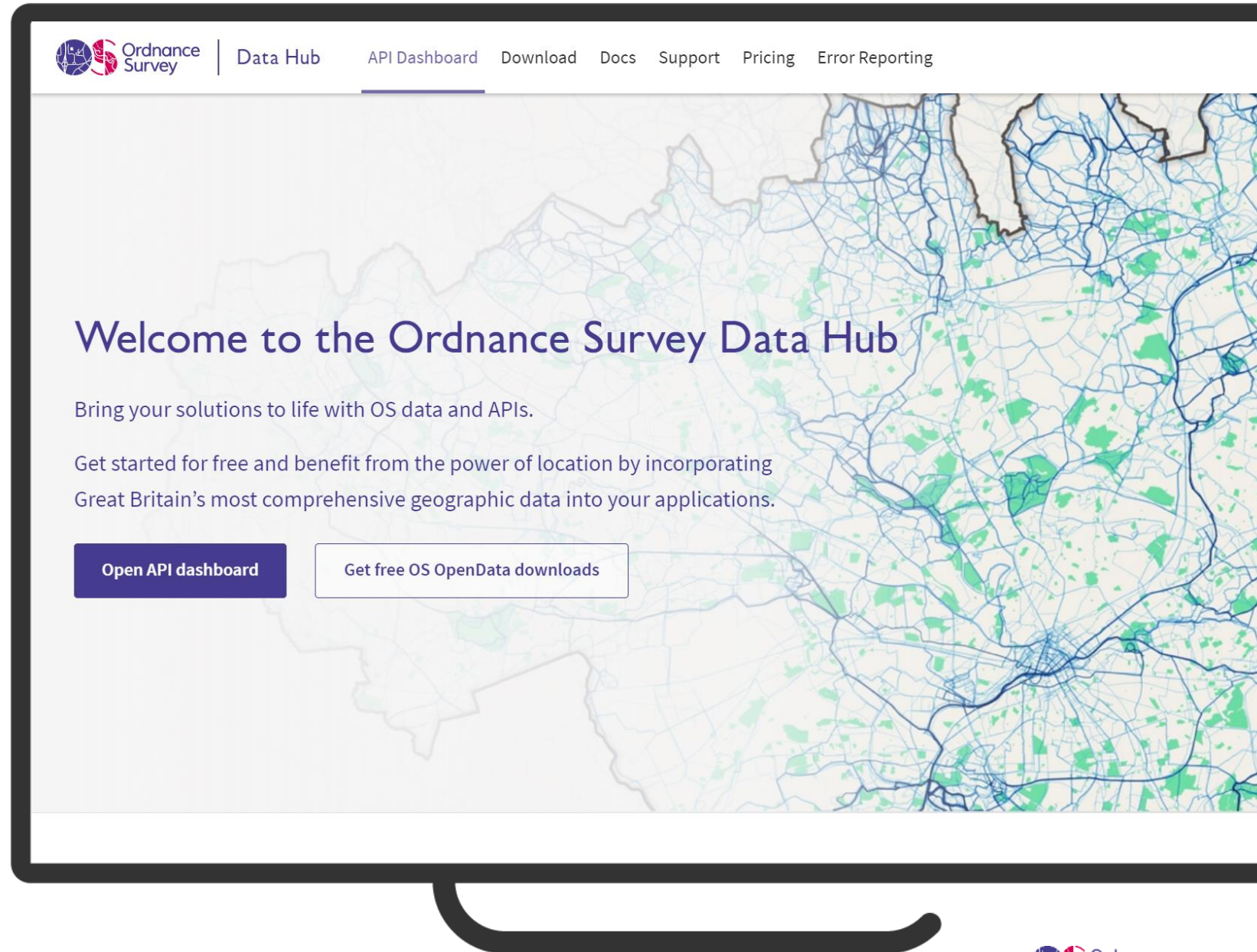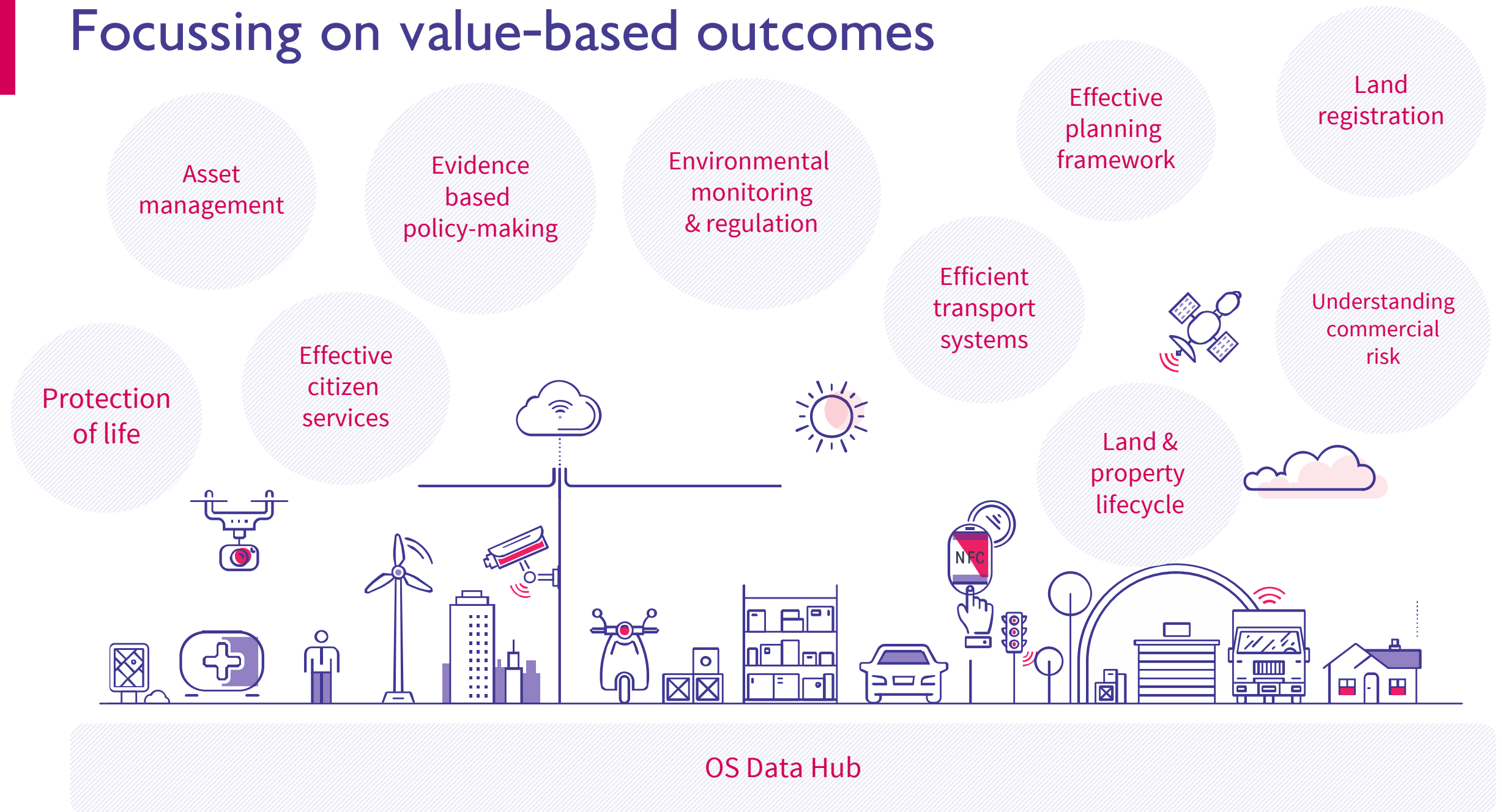>200m tiles pcm

Ordnance Survey

2020

OS Data Hub

Ordnance
Survey

OS Data Hub

Supporting the public and private sectors vital infrastructure and services by making it easier for anyone to **find, access and use** authoritative geospatial data

Focussing on value-based outcomes

Asset management

Evidence based policy-making

Environmental monitoring & regulation

Effective planning framework

Land registration

Efficient transport systems

Understanding commercial risk

Protection of life

Effective citizen services

Land & property lifecycle

NFC

OS Data Hub

The OS Data Hub improves the Developer Experience

Discoverability

We'll make it easier to find and understand our data

Accessibility

We'll make it easier to access and use our data

Interoperability

We'll make it easier to join our data to different sources

Ordnance Survey

OS Data Hub

An improved user experience

It will become the single point of access for all OS data

- OS OpenData, Premium Data and APIs

- Manual & automated downloads

- Manage user access

- Manage your use of APIs with Projects

- Track your usage via the API Dashboard

- Report data errors and omissions

- Consistent documentation: Overviews, Getting Started Guides and Technical Specifications

- In-app Notifications

- OAuth2 and API keys for API security

- FAQs

Ordnance Survey

Why use APIs?

+ Access data efficiently - reduce data management

+ Interact with data in new ways

+ Use the same data across multiple applications

+ Data is always up-to-date

+ Automate your workflows

Ordnance Survey

OS APIs in the OS Data Hub

OS Maps API

Up-to-date, detailed maps of Great Britain

OS Vector Tile API

Slick, quick vector maps with customisable content and style

OS Features API

Direct access to buildings, roads, greenspaces and much more

OS Places API

Authoritative address search and verification

OS Names API

Find accurate locations of interest quickly

OS Linked Identifiers API

Discover the relationships between features

OS Downloads API

Automate your data downloads

Ordnance Survey

OS Data Hub – Pricing

Up to £1,000 free data per month

Get up to £1,000 of our Premium GB mapping and feature data free each month.

OS OpenData API access is free

Access our OS OpenData mapping and feature APIs for free, for any use.

Mapping Great Britain

Every day we make 20,000 updates to our database which holds 500 million features on England, Scotland and Wales.

Free OS OpenData

OS OpenData Plan
Free OS OpenData

✓ **OS OpenData APIs** (unlimited access) [1]

✗ Premium data APIs (paid-for data)

✗ Development mode

✓ Free for creating apps, products and services for 3rd parties including the public

✓ Free for internal business use

Premium

Premium Plan
OS OpenData and Premium data

✓ **OS OpenData APIs** (unlimited access) [1]

✓ **Premium data APIs** (paid-for data) [1,2]

✓ **Up to £1,000 of free premium data every month** [3]

✓ Unlimited free Premium data for projects in development mode [4]

✓ For creating apps, products and services for 3rd parties including the public [5]

✗ Internal business use [5]

Public Sector

Public Sector Plan
OS OpenData and Premium data for PSGA members

✓ **OS OpenData APIs** (unlimited access) [1,8]

✓ **Premium data APIs** (unlimited access) [1,7,8]

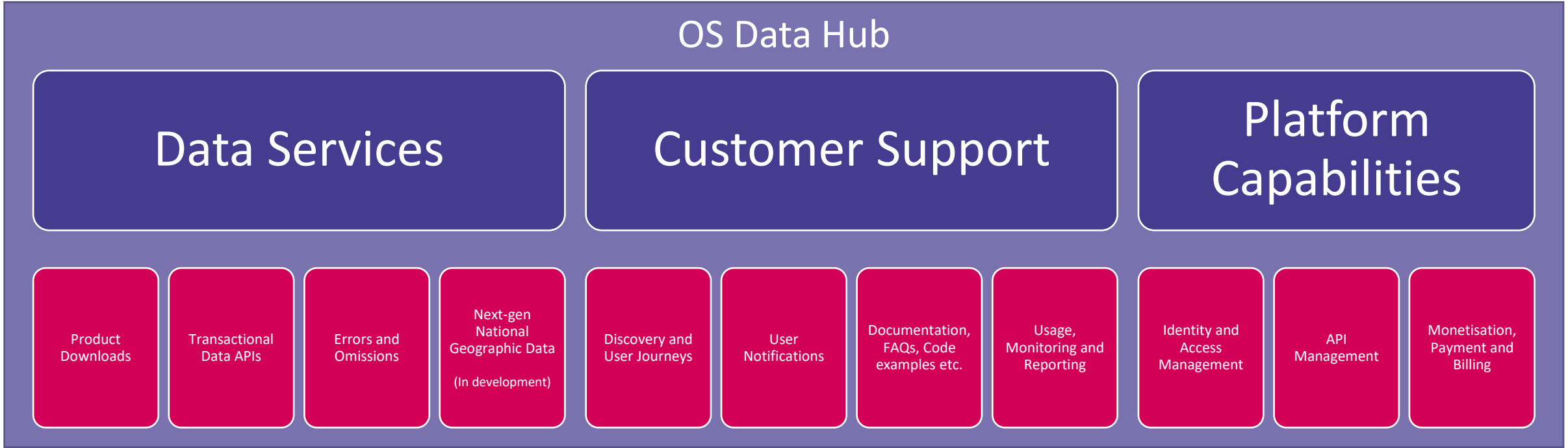✓ Unlimited Premium data downloads (coming soon)

✓ Can be used for core business

Ordnance Survey

OS Data Hub Services

Public Sector Developers	Partner Developers	OpenData Developers

OS Data Hub

Data Services	Customer Support	Platform Capabilities
Product Downloads	Discovery and User Journeys	Identity and Access Management
Transactional Data APIs	User Notifications	API Management
Errors and Omissions	Documentation, FAQs, Code examples etc.	Monetisation, Payment and Billing
Next-gen National Geographic Data (In development)	Usage, Monitoring and Reporting	

Ordnance Survey

OS Data Hub – 9 months in

Public Sector Developers

- Launched to Public Sector in Jan 2021
- Over 600 public sector orgs signed up
- Over 1200 public sector users

Partner Developers

- Launched to Partners in July 2020
- Over 1400 partner users signed up
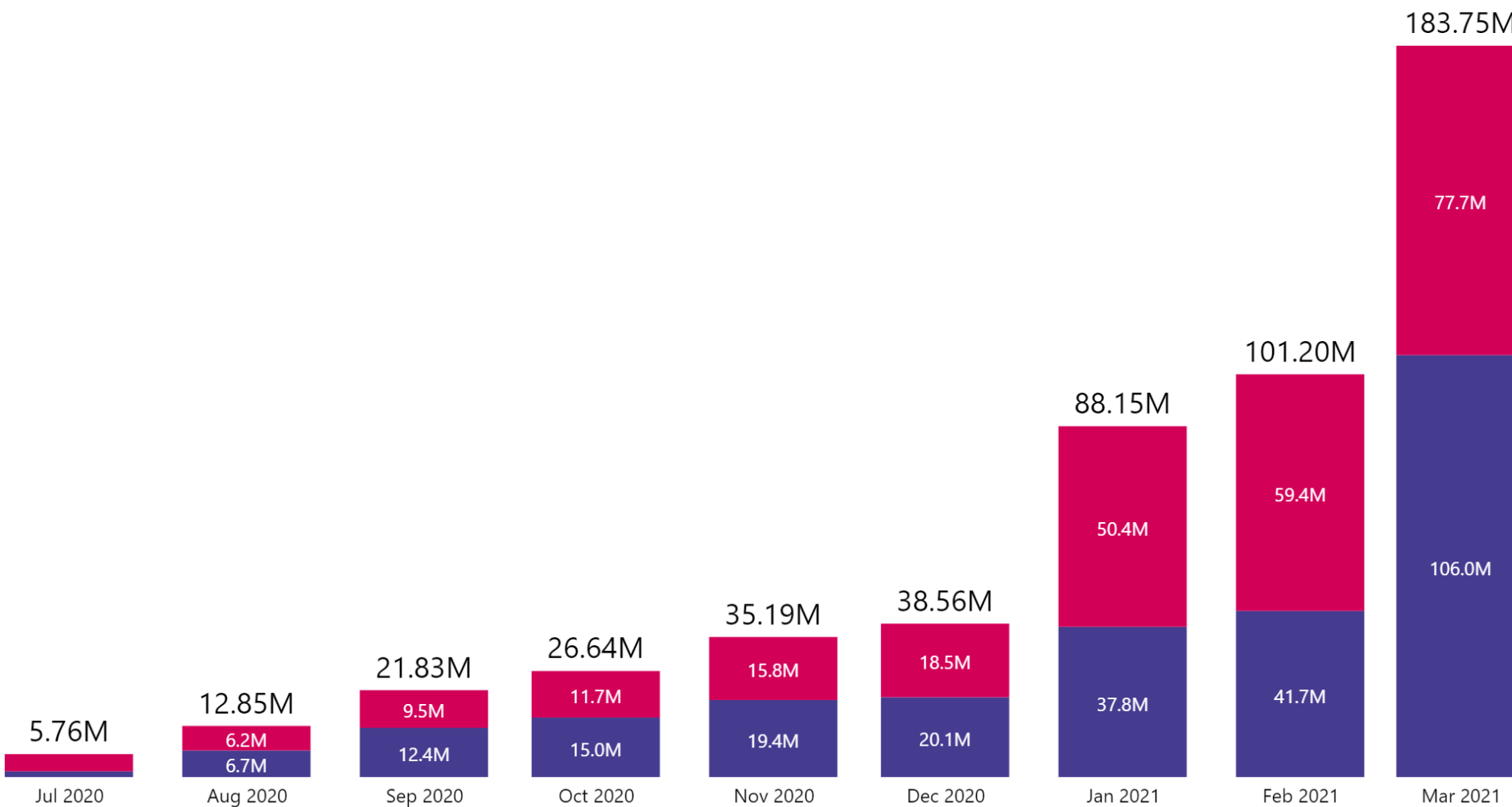- c. 70% entirely new to OS

OpenData Developers

- Launched to OpenData users in July 2020
- Over 4000 OpenData users signed up
- c. 80% entirely new to OS

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Number of Transactions for OpenData & Premium

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OpenData Vs Premium

514M	API - Total
254M	API - OpenData
260M	API - Premium

Chart data:

Month	API - Premium	API - OpenData	Total
Jul 2020			5.76M
Aug 2020	6.7M	6.2M	12.85M
Sep 2020	12.4M	9.5M	21.83M
Oct 2020	15.0M	11.7M	26.64M
Nov 2020	19.4M	15.8M	35.19M
Dec 2020	20.1M	18.5M	38.56M
Jan 2021	37.8M	50.4M	88.15M
Feb 2021	41.7M	59.4M	101.20M
Mar 2021	106.0M	77.7M	183.75M

●API - Premium ●API - OpenData