Department for Environment, Food and Rural Affairs

Defra Digital Roadmap

December 2012

Department	Lead Agency	Project	Contact	Stage	Description	User / User Need	Cost / Est. Budget	Priority	Current GDS Involvement	Future GDS Involvement	Identity Assurance Component
DEFRA		Food Imports Details Database	teresa.mills@defra.gsi.gov.uk	In service	Web system available to the public showing what can be legally imported by country / commodity. Allows people to select search criteria for countries, categories and products, and view import rules for bringing them in to the UK.	Citizens / Business		High	N.A.	N.A.	No
DEFRA		Enhanced Capital Allowance Scheme – water reuse	virginia.hall@defra.gsi.gov.uk	In service	online application for tax relief	Business		High	None	None	Yes
DEFRA		Farm Surveys (Existing)	steve.robinson@defra.gsi.gov.uk	In service	online completion of June and Dec Farm Surveys	Farmers		High	None	None	Yes
DEFRA		Farm Assessments	steve.robinson@defra.gsi.gov.uk	In service	including Cross-Compliance Self Assessment tool, Soil Protection Review completions, Nitrate Vulnerable Zones Self Assessment tool, Nitrate Vulnerable Zones Derogation Application, Food Standards Agency Guidance tool, Animal Feed Registration tool, Waste Introductory and Management Questionnaires, Catchment Sensitive Farming Advisory tool, Diary Dates and Alerts online	Farmers		High	None	None	Yes

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DEFRA		Environmental Regulation Tool	Edward.lockhart-mummery@defra.gsi.gov.uk	Planned	Tool to show what environmental regs apply to business - to be located on GOV.UK	Business		High	Initial discussions	TBC	No
DEFRA		Nutrient Management Plan submission tool	steve.robinson@defra.gsi.gov.uk	Planned		Farmers		Medium	None	None	Yes
DEFRA		Online GIS capability for farmers	Unknown	Planned	Provission of online GIS data via digital mapping. GIS data will enable farers to plan activities and mittigating actions - and share this information with regulators. This project has the potential to link to the MAGIC project desribed in line 6 of this table.	Farmers / agents		High	None	TBC	Potentially - depends on requirement
DEFRA		June 2013 Agricultural Survey	steve.robinson@defra.gsi.gov.uk	Planned	re-development in line with Macdonald principles	Farmers / agents		High	None	TBC	Yes
DEFRA		Develop E-pub versions of existing paper based content	steve.robinson@defra.gsi.gov.uk	Planned	Develop new e-pub versions of paper based content as part of the Macdonald 'digital by default approach'. Replacing existing hard copy will deliver a considerable saving in printing and distribution costs.	Farmers / agents		Medium	None	None	No
DEFRA		Updating of existing online assessments and tools to maintain currency with policy requirements	steve.robinson@defra.gsi.gov.uk	Planned	including Cross-Compliance Self Assessment tool, Soil Protection Review completions, Nitrate Vulnerable Zones Self Assessment tool, Nitrate Vulnerable Zones Derogation Application, Food Standards Agency Guidance tool, Animal Feed Registration tool, Waste Introductory and Management Questionnaires, Catchment Sensitive Farming Advisory tool, Diary Dates and Alerts online	Farmers / agents		High	None	None	Yes

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DEFRA		Common Agricultural Policy (CAP) Delivery Programme	steve.watson@rpa.gsi.gov.uk	Planned	The Defra CAP Delivery Programme has been set up to design, procure and implement the solution that will deliver the EU's new Common Agricultural Policy (CAP). The design of the new service is digital by default with a view to achieving automated service delivery where possible. This is a collaborative effort across the following organisations - Defra, Rural Payments Agency, Natural England and the Forestry Commission.	Farmers / Land Users / Agents / Farm Business / Rural Land Owners		Unknown	Yes	Prototyping solutions to test key service concepts	Yes
DEFRA	Environment Agency	Rod Licences	Unknown	In service	Online application (through the Post Office website)	Inland Fisherman		High	None	TBC	Yes
DEFRA	Environment Agency	Flood Warnings Registration	Steve White for Technical queries (Katharine Evans for policy)	In service	including syndication of web content	Citizens / Business		High	None	None	No
DEFRA	Environment Agency	"What's in my backyard"	Brian Wilson	In service	mapping services for environmental info eg. water pollution, bathing water quality	Citizens / Specialist		High	None	TBC	No
DEFRA	Environment Agency	Waste Permit, Exemption & Registration applications (Integrated Regulation Programme)	Phil Lodge	In service	applications by businesses and individuals to become registered waste carriers, authorisations to carry or dispose of waste, and exemptions from various waste regulations. Planned redevelopment to comprehensive online waste applications & permits	Business		High	To be initiated	Proposed exemplar development	Yes

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DEFRA	Environment Agency	INSPIRE	Unknown	In service	mapping & data services to fulfil UK obligations under the EU INSPIRE directive - The INSPIRE requirement applies to all Defra Network bodies and for most is met by a shared publication service run by EA which publishes INSPIRE complaint datasets to the Web (and data.gov.uk) through the GeoStore and related services: http://www.geostore.com/environment-agency/	Specialist		High	None	TBC	No
DEFRA	Environment Agency	Planning consultations	Unknown	In service		Public / Business		High	None	None	No?
DEFRA	Environment Agency	Flood Warnings Direct	Steve White for Technical queries (Katharine Evans for policy)	Planned	integrated mapping/alert system	Citizens / Business		High	None	None	No
DEFRA	Environment Agency	Generic Operator Returns	Phil Lodge	Planned		Business		High	None	None	No
DEFRA	Environment Agency	Register boats online	Unknown	Planned		Citizens/ Business		High	None	None	No?
DEFRA	Environment Agency	Climate Change Trading Systems Customer Portal	Unknown	Planned		Business		High	None	None	Yes?

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DEFRA	Environment Agency	Salmon and sea trout rod catch return database and online submission facility for anglers – Replacement of Access database by use of existing Migratory Salmonid Licensing Database	Unknown	Planned		Fishermen		High	None	None	No?
DEFRA	Environment Agency	Easiphoto to accept from photos from public to enhance monitoring and catchment planning	Unknown	Planned		Business		High	None	None	No
DEFRA	Environment Agency	Incident Management Roadmap	Unknown	Planned	Images from the scene / crowd-sourcing, etc., Ability to share information for planning, Improved flood forecasts on internet, FWD replacement, Flood localisation, Offline browser for Gold, Providing different views on same data, Presentation of data visually, Blackberry broadcast messaging, Opt-in for email distribution lists, Data sharing portal, Crowd sourcing (e.g. Radius), Customer history, Open up Strategic Mapping Platform to public	Incident Management		High	None	None	No?
DEFRA	Environment Agency	Asset Management	Unknown	Planned	Provide IT solution to capture and make readily available documents (drawings, reports, photos etc) relating to capital FCRM schemes.	Incident Management		High	None	None	No

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DEFRA	Environment Agency	Collaboration externally including .... work/visit scheduling across regulator organisations Internal, external and accreditation schemes External Data Sharing - Innovation – (i) Simple Collaboration tools with Partners and & (ii) Visualisation of River Basin plans	Unknown	Demonstrator and follow on project - but not yet formally agreed		Regulators, Business		High	None	None	Yes?
DEFRA	Environment Agency	Online payment services for customers e.g. Paypal, Government Banking Service (RBS)	Unknown	Idea - Not yet agreed or fully defined		Business		High	None	None	Yes
DEFRA	Environment Agency	Customer Data Portals enabling customers to more easily submit data to EA using online services	Unknown	Idea - Not yet agreed or fully defined		Citizens/ Business		High	None	None	No?

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DEFRA	Environment Agency	Customer Service Place for Regulation Providing a single place for Regulation customers to go to get information specifically relevant for them	Unknown	Idea - Not yet agreed or fully defined		Citizens/ Business		High	None	None	No
DEFRA	Environment Agency	Tapping into inside performance information before serious impact (Provide capability to enable others [public, 3rd parties] to contribute	Unknown	Idea - Not yet agreed or fully defined		Citizens		High	None	None	No
DEFRA	Environment Agency	"Your catchment plan" for delivery and assets	Unknown	Idea - Not yet agreed or fully defined		Business		High	None	None	Yes?
DEFRA	Environment Agency	Flood Digital Programme - Historic Flood Photos	Frazer Rhodes	In Progress	Pilot service to capture flood photos from the public	Citizens		Medium	None	None	No
DEFRA	Environment Agency	Flood Digital Programme - 3-5 Day Forecast Service	Pete Connolly	In Progress	Increase forecast service on EA website to 5 days	Citizens		Medium	None	None	No

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DEFRA	Environment Agency	Flood Digital Programme - ensure all flood risk products are accessible online	Mike Steel	In Progress		Citizens/Business		Medium	None	None	No
DEFRA	Environment Agency	Flood Digital Programme - Revised River & Sea Levels (To include Rainfall and Potential Forecast Data)	Frazer Rhodes	Planned	Update to river/sea levels to include rainfall and forecasts	Citizens		High	None	None	No
DEFRA	Environment Agency	CAMC (in development)	Paul Deane	In Progress		Business			None	None	No?
DEFRA	Environment Agency	Carbon Reduction Commitment	Matt Williamson	In Progress		Business			None	None	No?
DEFRA	Environment Agency	Climate Change (in development)	Sue Stocks	In Progress		Business			None	None	No?
DEFRA	Environment Agency	Flood Localisation	Malcolm Gorton	pending release		Citizens/Business			None	None	No?
DEFRA	Natural England	Entry Level Scheme	Unknown	In service	online application for RDPE grants (Rural Development Programme for England)	Farmers		High	None	TBC	Yes
DEFRA	Natural England	Access to Nature	Unknown	In service		Citizens / Business		High	None	None	No
DEFRA	Natural England	Nature on the map	Unknown	In service	(future development may include merging with the MAGIC service) Browser-based interactive mapping application; public-facing website hosted under contract to 3rd party; allows similar functionality to WebMap using much of same data; service governed by contractual SLA. See www.natureonthemap.org	Specialist		High	None	TBC	No

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DEFRA	Natural England	MAGIC Interactive mapping service	phillipa.swanton@naturalengland.org.uk	In service	MAGIC (Multi-Agency Geographic Information for the Countryside) is an interactive map for key environmental schemes and designations. Partnership project involving seven government organisations. MAGIC is available to anyone over the Internet.	Specialist		High	None	None	No
DEFRA	Natural England	Aggregate Levy Sustainability Fund (ALSF)	Unknown	In service	System to track funding of the aggregate levy. Holds details of projects funded by Defra but where the money has been distributed by other bodies e.g. English Nature, English Heritage, CEFAS. The system has a non-secure and a secure section. Anybody can view the data through the non-secure part but only registered users can view the secure part and edit records. External users need to go through the government gateway and therefore need to be registered to it first. From there users are authenticated via single sign-on. The system uses SAS which means that the system is not registered to the governement gateway directly as itself but rather SAS is registered and ALSF is part of SAS.	Business		High	None	None	Yes
DEFRA	Natural England	Online submission for wildlife applications/ licences	Unknown	In service	The Species Licensing electronic application service is used to submit applications for licences online and also allows submission of reports required at the end of the licence period...the future plan as described on the website is to allow users to receive and download their licence electronically via the online system.	Business		High	None	None	No
DEFRA	Natural England	Farming Environment Plans	Unknown	Planned	online submission for Higher Level Scheme (Cross-compliance)	Farmers		High	None	TBC	Yes?

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DEFRA	Natural England	My Environment Portal	phillipa.swanton@naturalengland.org.uk	Planned	Mapping & data services integrating other online information sources eg. "What's in my backyard", MAGIC, 'Nature on the map' & INSPIRE - Cross Defra Network project being led by NE	Public / Specialist		High	Initial discussion	TBC	No
DEFRA	Forestry Commission	England Woodland Grant Scheme	Unknown	In service		Farmers		High	None	TBC	Yes
DEFRA	Forestry Commission	Forest recreation	Unknown	In service	Redevelopment of existing recreation application - a gazeteer of public forests and recreation oppoortunities.	Public / Specialist		High	None	None	No
DEFRA	Forestry Commission	Online collections databases and archives	Unknown	In service		Specialist		High	None	None	No
DEFRA	Marine Management Organisation	Online collection of sales notes	Unknown	In service	System to enable vessel skippers to contact and send information to the MMO (through www.fishregister.gov.uk)	Fishermen		High	None	None	Yes?
DEFRA	Marine Management Organisation	Online Marine Licensing system	Unknown	In service	system to allow users to apply for licences to undertake activities in marine areas that require a licence	Fishermen		High	None	None	Yes?
DEFRA	Marine Management Organisation	Marine Planning Portal	Unknown	In service	system to allow the public to access planning services and make planning applications for developments in marine areas	Fishermen		High	None	None	No
DEFRA	Marine Management Organisation	Log Book Inspections	Unknown	Planned	automated online collection of data from electronic logbooks for fishing vessels	Fishermen		High	None	None	Yes
DEFRA	Marine Management Organisation	Control Regulations	Unknown	Planned	Web Access to all UK fisheries information	Fishermen		High	None	None	No?

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DEFRA	Royal Botanical Gardens	Web Development Project	Director of Public Engagement & Learning	In Service	The web development project has introduced new content management technology, on-line functionality and interactive services.	Citizens / Specialist / Business		High	None	Strategic awareness	No
DEFRA	Royal Botanical Gardens	Digital Interpretation and Mobile Services	Director of Public Engagement & Learning	In Service	An innovative project which has seen the development of digital interpretation and mobile services in and outside Kew's grounds	Citizens / Specialist / Business		High	None	Strategic awareness	Yes (for online payment))
DEFRA	Royal Botanical Gardens	CRM -Customer Relationship Management	Director of Public Engagement & Learning	Planned	Connecting all Kew's customer touch points into a single view, maximising income opportunities and visitor experience.	Citizens / Specialist / Business		High	None	Strategic awareness	Yes (for online payment & membership)
DEFRA	Royal Botanical Gardens	Cross Platform Publishing Project	Director of Public Engagement & Learning	Planned	To deliver a technical and scalable solution for producing, sharing and publishing content at Kew, including integrating currently disparate datasets which will ensure maximum business efficiency, stronger consumer engagement and maximum revenue potential for Kew	Citizens / Specialist / Business		High	None	Strategic awareness	Yes (for online payment & membership)
DEFRA	AHVLA	Disease Alert Notifications	Unknown	In service	Instant messaging and interactive maps to inform the public whether they are in a disease zone	Farmers / Rural Communities		High	None	None	No
DEFRA	AHVLA	TB Surveillance tool	Unknown	In service	County/ Parish look-up for test due-dates	Farmers / Rural Communities		High	None	None	No
DEFRA	AHVLA	Poultry Register	Unknown	In service	online registration/ updates and de-registration for poultry keepers	Poultry Farmers		High	None	None	Yes

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DEFRA	AHVLA	Pig Movement Reporting	Unknown	In service	From 1 October 2011, new legislation came into effect that requires keepers to pre-notify pig movements electronically, through the British Pig Executive (BPEX) /Meat & Livestock Commercial Services Ltd. Keepers without electronic internet access are offered a telephone bureau service.	Livestock Farmers		High	None	None	Yes
DEFRA	AHVLA	Exports Online (CENTAUR)	Unknown	In service	The purpose is for exporters to apply electronically for certification from the Centaur system (Certification of Export, Notification of Trade and Analysis of Underlying Risk)	Farmers		High	None	None	Yes
DEFRA	AHVLA	Electronic Identification of Sheep	Unknown	In service	database linked to ear-tagging information	Livestock Farmers		High	None	None	Yes
DEFRA	AHVLA	Import of live animals/products of animal origin	Unknown	In service		Farmers / Food Businesses		High	None	None	Yes
DEFRA	AHVLA	Pet Statistics	Unknown	In service	Holds details of passes and failures of pets across British borders, and displays quarantine data, so the carrier companies can report the movement of animals	Vets and specialists		High	None	None	No
DEFRA	AHVLA	Egg Marketing Inspections	Unknown	In service	Reporting system for Egg Marketing inspectorate to provide management information on inspections carried out by the Egg Marketing Inspectorate.	Farm Inspectors		High	None	None	No
DEFRA	AHVLA	Border Control Clearances system	Unknown	Planned	for CITES endangered species and Export Health Certificates	Farmers / Food Businesses		High	None	None	Yes
DEFRA	AHVLA	Animal By-Products	Unknown	Planned	new regulations may require online registration	Farmers / Food Businesses		High	None	None	Yes

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DEFRA	AHVLA	Exports to Third Counties	Unknown	Planned	replacement for existing Centaur system to offer full external web-facing system	Farmers / Food Businesses		High	None	None	Yes
DEFRA	AHVLA	Sheep, Goats and Deer Movements - batched reporting	Unknown	Planned		Livestock Markets & Abbatoirs, Farmers		High	None	Service Standard procurement requirements	Yes
DEFRA	AHVLA	Laboratory test results interface to commercial farm management systems	Unknown	Planned		Farmers		High	None	None	Yes
DEFRA	Veterinary Medicines Directorate	Import Certificate Applications	Unknown	In service	online application for special import/treatment certificates	Farmers		High	None	None	Yes
DEFRA	Veterinary Medicines Directorate	Export Certificates	Unknown	Planned		Farmers		High	None	None	Yes?
DEFRA	Veterinary Medicines Directorate	Suspected Adverse Reaction Surveillance Scheme	Unknown	Planned		Vets		High	None	None	Yes?
DEFRA	Veterinary Medicines Directorate	Marketing Authorisations - European Portal	Unknown	Planned		Vets		High	None	None	Yes?
DEFRA	Veterinary Medicines Directorate	Batch Exemptions and Batch Release	Unknown	Planned		Farmers		High	None	None	Yes?

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DEFRA	Rural Payments Agency	Cattle Tracing System (CTS) Online including: Sip project 125 CII: Cattle Inspection Risk Selection Sip project 115 Sheep and Goat Electronic Movement Interface	Steve.lodge@rpa.gsi.gov.uk	BAU with Minor Enhancement Only	Allows customers to register cattle births, to report cattle movements on and off holdings, to report the death of a registered animal and to check the movement history of their animals. Additionally customers can see details of any problems with passport applications and movements; view all births, movements and deaths reported in the last six months; see calving histories for their animals; send information to the British Cattle Movement Service to help resolve problems; view their name and address details, including location links recorded for their holding and request forms and barcode labels.	Livestock Farmers		High	None	None	N.A.
DEFRA	Rural Payments Agency	Single Payments Scheme (SPS) Online including: SIP Project 035 SPS Rollover and Enhancements SIP Project 036 Implement improvements to SPS online (Combined with 035 for 2013) Non SIP - Review and Improve Customer Service	Steve.lodge@rpa.gsi.gov.uk	BAU with Minor Enhancement Only	Allows customers to view and amend pre-populated data in advance of submitting SPS applications online. It checks for common errors to allow customers to correct them before submitting and provides an on-screen acknowledgement of receipt of their claim. It allows customers to track SPS applications for the 2009 scheme year onwards, regardless of if they were submitted on paper or electronically. It allows customers to view and print Claim and Entitlement Statements for the 2009 scheme year onwards. It also allows customers to update their contact details using Update Contact Details "lite" functionality which collects customer address, telephone/mobile number and email addresses.	Farmers (SPS Only)		High	None	None	N.A.

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DEFRA	Rural Payments Agency	PEACH	Steve.lodge@rpa.gsi.gov.uk	BAU	Used to obtain a certificate of conformity from RPA Horticultural Marketing Inspections. The online services allow notification of fruit, vegetable and horticultural imports and exports, including inspection and certification.	Farmers / Food Businesses		High	None	None	N.A.
DEFRA	Rural Payments Agency	CAP export refunds	Steve.lodge@rpa.gsi.gov.uk	In service	For commodities except victualling	Producer Organisations		High	None	None	N.A.
DEFRA	Rural Payments Agency	Rural Land Register	Steve.lodge@rpa.gsi.gov.uk	At Gate 0 approval	The Rural Land Register (RLR) is a GIS-based Land Parcel Identification System (LPIS) which holds a digital record of all registered land parcels in England. The purpose of the RLR is to increases the reliability of farmers' declarations and aid cross-checks and compliance, benefiting the interests of farmers and those of the national and European administrations. When land is registered a digital record is created defining the boundary and area of the parcel and this digital record can then be used to produce paper maps.	Farmers / Rural Landowners		High	None	TBC	N.A.
DEFRA	Rural Payments Agency	Animal Movement Licensing System	Steve.lodge@rpa.gsi.gov.uk	BAU	AMLS2 is used by industry to submit movement notifications for pigs, goats, sheep and deer. AMLS2 is the national database that records all movements between premises. Farmers fill in movement forms and send these to the local authorities (Las), for data entry into the database. Data is used to monitor and enforce compliance with standstill rules.	Farmes and Local Authorities		High	None	None	N.A.

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DEFRA	Rural Payments Agency	Cattle Ear Tag Allocation System	Steve.lodge@rpa.gsi.gov.uk	BAU	Legacy Application. The Cattle ETAS system provides the ability for ear tag manufacturers (AIMs) to order new and replacement ear tags on behalf of cattle keepers in accordance with EU legislation. The system also enables BCMS to manage and support this process and run reports and enquiries.	Farmers		High	None	None	N.A.
DEFRA	Rural Payments Agency	Sheep and Goat Ear Tag Allocation System	Steve.lodge@rpa.gsi.gov.uk	BAU	Used by Ear Tag manufacturers and Customer Contact Centre. - see above for CETAS	Farmers		High	None	None	N.A.
DEFRA	FERA	eDOMERO	Guy Watt	In service	(linked with RPA's PEACH system) Online application for trade certificates. The licencing and management of plant material in the UK (Import/Export/Restrictions, etc) and the management of inspections. A system for electronic application, receipt and processing of application data for Plant Passporting, Potato Cyst Nematode Sampling, Seed Potato Classification Scheme, Plant Health Propagation Scheme and Import Licensing and Export together with the e-delivery of associated certificates / authorisations.	Farmers / Farm Business		High	None	Possibly significant	Yes
DEFRA	FERA	Plant Health imports	Guy Watt	In service	Part of the eDomero system	Farmers / Farm Business		High	None	Possibly significant	Yes
DEFRA	FERA	Plant Health Exports	Guy Watt	In service	Part of the eDomero system	Farmers / Farm Business		High	None	Possibly significant	Yes
DEFRA	FERA	Seed potato classification scheme	Guy Watt	In service	Part of the eDomero system	Farmers / Specialist		High	None	Possibly significant	Yes

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DEFRA	FERA	Plant Health Propogation Scheme	Guy Watt	In service	Part of the eDomero system	Farmers / Specialist		High	None	Possibly significant	Yes
DEFRA	FERA	Seed certification	Guy Watt	In service	Part of the eDomero system	Farmers / Specialist		High	None	Possibly significant	Yes
DEFRA	FERA	Beebase	Kate Parker/Mike Brown	In service	Advisory website for beekeepers/stakeholders and database of beekeepers and inspection information.	Beekeepers		High	None	None	Yes
DEFRA	FERA	e-Domero application enhancements	Guy Watt	In service	Part of the eDomero system	Farmers / Farm Business		High	None	Possibly significant	Yes
DEFRA	FERA	Licences for research using otherwise prohibited plant material	Guy Watt	In service	Part of the eDomero system	Specialist		High	None	Possibly significant	Yes
DEFRA	Gangmasters Licensing Authority	Online Licensing System	Darryl.Dixon@gla.gsi.gov.uk	In service	For labour providers who supply, use or sub-contract labour to the folllowing sectors, Agriculture, Horticulture, Gathering Shellfish and Processing and packaging food, agricultural and fish produce and want to apply for a licence online Information, online licence applications, public register, active check service and reporting facility for labour providers, labour users and workers in the agriculture, horticulture, food processing and packaging, shellfish gathering, and forestry sectors.	Citizens / Business		High	None	None	No

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DEFRA	CEFAS	Aquatic Animal Health and Movements	David.Smith@cefas.co.uk	In service	Online forms completion for fish farming and ornamental trade activity (e.g. animal health and import regulations); plus statutory databases of fish farms and alien species and Live Fish Movements (for the EA): NB: the latter may be suspended due to legislation changes	Farmers / Business		High	None	Discussions re. database provision, transaction interface and form storage	Yes: see e-consenting, which we currently run on behalf of the EA (https://forms.efishbusiness.co.uk/). Also payment for Disinfectant Listing Scheme, via CTL (see http://www.defra.gov.uk/aahm/guidance/disinfectant/applicatio/)
DEFRA	CEFAS	Fish tag returns	anne.mcclarnon@cefas.co.uk	In service	Online forms completion by fishermen/beachcombers (supplying scientific data, rather than regulatory info)	Fishermen		High	None	None	No

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DEFRA	CEFAS	Data provision and interaction (view, interrogate and download data)	anne.mcclarnon@cefas.co.uk	In service	1. Classified shellfish sites (for Food Standards Agency, local authorities, food suppliers), which includes maps/reports on water quality 2. Aquatic animal diseases (for wider European community): specific information on a range of diseases (searchable via a number of parameters); 3. Sea temperatures and salinity trends (supporting Marine Climate Change Centre activities); 4. WaveNet and Smart Buoys: 24/7 real-time data (updated by satellite every 30 mins), used by Met Office, flood managers, shipping/maritime, offshore oil & gas operators, sailors/surfers); 5. Fisheries activity: for MMO, Devolved Admins, Isle of Man, IFCAs, etc – feeds in and out to users; 6. Fish Data Archive Centre (part of the MEDIN = Marine Environment Data and Information Network and INSPIRE project), potentially including existing fish stomach records; 7. Non-native, invasive species: identification tools; 8. Marine observatory (European-funded programme, EMECO): support Marine Strategy Framework Directive + UK's Marine Science Co-ordination Committee; 9. Contaminated marine sediments: database and GIS tool for aggregates industry + port devleopers; 10. A wide range of specific scientific projects, often with a private log-in area for those sharing/exchanging data	mostly to specialists in Govt, industry and other scientists, but some examples are accessed by general public		High	None	We await guidance on the provision of data and how previous published info will be handled. (Time-series are crucial for scientists so archived data and information is very important to retain.) Databases are crucial and so we anticipate specific (and technical) discussions about how these will migrate successfully.	Yes, in some cases but not in all
DEFRA	JNCC	BARS 1 - original Biodiversity Actions Reporting System	Ulric.Wilson@jncc.gov.uk	In service	including results from 2002/2005/2008 UKBAP reporting rounds, status and trends for habitats and species for UK and countries.	Specialist		High	None	None	No longer required as system is read only

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DEFRA	JNCC	BARS 2	Ulric.Wilson@jncc.gov.uk	In service	– superseded BARS 1 in April 2012. UK wide capture, collation and reporting of biodiversity actions/activity. Supports England, Scotland, Wales and Northern Ireland biodiversity strategies and conservation funders / practitioners	Specialist		High	None	None	Yes - but only required to edit data. View access is anonymous
DEFRA	JNCC	SAC/SPA info	Ulric.Wilson@jncc.gov.uk	In service	UK level collation and distribution of EU Natura Special Areas of Conservation and Special Protection Areas designated sites; database backed delivery with search and filtering.	Specialist		High	None	None	No
DEFRA	JNCC	Marine Habitat Classification	Ulric.Wilson@jncc.gov.uk	In service	interactive delivery of hierarchical classification of benthic habitats; database backed delivery with search and filtering	Specialist		High	None	None	No
DEFRA	JNCC	GCR database	Ulric.Wilson@jncc.gov.uk	In service	UK collation of geological protected sites; database backed delivery with search and filtering	Specialist		High	None	None	No
DEFRA	JNCC	OT Funding sources database	Ulric.Wilson@jncc.gov.uk	In service	searchable collation of grants, awards and support sources for biodiversity conservation in the UK Overseas Territories and Crown Dependencies	Specialist		High	None	None	No
DEFRA	JNCC	SMP – Seabird Monitoring Programme	Ulric.Wilson@jncc.gov.uk	In service	online data capture and reporting tools for seabird colony counts, contributed by 19 partner organisations and volunteer recorders across whole of UK, IoM and Channel Islands	Specialist		High	None	None	Yes - but only required to edit data. View access is anonymous
DEFRA	JNCC	UK Seamap	Ulric.Wilson@jncc.gov.uk	In service	interactive web mapping tool of broadscale predicted seabed habitats for UK continental shelf. Seabed map layers are also shared via Web Mapping Services (WMS) for use in other systems	Specialist		High	None	None	No

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DEFRA	JNCC	EU Seamap	Ulric.Wilson@jncc.gov.uk	In service	interactive seabed habitat mapping tool covering Celtic, Baltic and Mediterranean seas – part of European Marine Observation and Data Network	Specialist		High	None	None	No
DEFRA	JNCC	MPA mapper	Ulric.Wilson@jncc.gov.uk	In service	Interactive web mapping tool displaying 5 different marine site networks and potential Habitats Directive Annex I resources in UK waters. The mapping system also generates dynamic map images for embedding on the website.	Specialist		High	None	None	No
DEFRA	JNCC	NBN Gateway	Ulric.Wilson@jncc.gov.uk	In service	online collation, mapping and sharing of 70 million species observations, species distributions and habitats contributed by 140 data providers	Specialist		High	None	None	Yes - but only required to request access to highest resolution data and for admin by dataaset owners. General view access is anonymous
DEFRA	JNCC	NBN Record Cleaner	Ulric.Wilson@jncc.gov.uk	In service	Automated data validation and verification tool, improves data flow and data quality of shared species datasets.	Specialist		High	None	None	No
DEFRA	JNCC	SMP 2 – Seabird Monitoring Programme	Ulric.Wilson@jncc.gov.uk	Planned	redevelopment to expand the range of data types that can be collected and improve streamlined reporting.	Specialist		High	None	None	Yes - but only required to edit data. View access is anonymous

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DEFRA	JNCC	Crick Framework	Ulric.Wilson@jncc.gov.uk	Planned	interactive expert system providing support for interpretation of remote sensing data for habitat extent and condition assessment.	Specialist		Medium	None	None	No
DEFRA	JNCC	Spatial framework	Ulric.Wilson@jncc.gov.uk	Planned	interactive expert system providing support to valuation of UK habitats for ecosystem services	Specialist		Medium	None	None	No
DEFRA	JNCC	NBN Gateway	Ulric.Wilson@jncc.gov.uk	Planned	enhancements to outputs to improve use and sharing of biodiversity data in government and beyond.	Specialist		High	None	None	No
DEFRA	JNCC	NBN Record Cleaner	Ulric.Wilson@jncc.gov.uk	Planned	development of system to create a generic mechanism for data validation and verification to improve quality of shared data	Specialist		High	None	None	No
DEFRA	JNCC	NBN Indicia	Ulric.Wilson@jncc.gov.uk	Planned	Online data capture system to make it easy for volunteer biodiversity recorders to record and share their data	Specialist		High	None	None	No
DEFRA	JNCC	UK Marine protected sites	Ulric.Wilson@jncc.gov.uk	Planned	system to improve access to UK offshore protected sites data, combined with redevelopement of terrestrial SAC/SPA network delivery	Specialist		High	None	None	No
DEFRA	JNCC	BARS 2	Ulric.Wilson@jncc.gov.uk	Planned	Additional development required to support evolving country biodiversity strategies. UK wide capture, collation and reporting of biodiversity actions/activity. Supports England, Scotland, Wales and Northern Ireland biodiversity strategies and conservation funders / practitioners	Specialist		High	None	None	Yes - but only required to edit data. View access is anonymous