

Nightsniffing

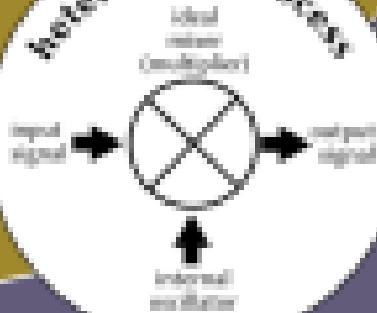
Bat detection as field ecology of urban change and contestation

Workshopping the London Development Datasniffer

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Heterodyne process



internal oscillator

Ultrasonic in the city

- chirping bats
- rattling bicycles
- rustling leaves
- jangling coins and keys
- buzzing construction boxes
- mysterious hums of building sites



Bats and technologies

Places that bats may use for hibernation

- 卷之三



Image source: Bat Conservation Trust (2011) *Bats and Buildings*. Bats and the Built Environment Series.

Bats as urban inhabitants

The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019

EU Regulatory Instruments > 2019 Reg. (EU) > Table of contents

Table of Contents

Content

Exploratory Memorandum



More Resources



Main View

Print View

What Version:



Status: This is the original version (as it was originally made). The law of legislation is currently only available in its original form.

(1) Latest available (Revised)

(2) Original (as made)



Categories of:

Regulatory Text

Opening Options (3)



PART 1: Introduction

1. Citation and commencement.

More Resources (4)



Catalogues

Categories (5)



Categories

Categories (6)



Categories

PART 2: Assessments of previous legislation

2. Assessment of the Wildlife and Countryside Act 1981 (England and Wales).

PART 3: Assessments to the conservation of habitats and species regulations 2017

3. Amendments of the conservation of habitats and species regulations 2017.

4. Amendment of regulation 5 (interpretation).

5. Insertion of new regulation 10.

6. Amendments of regulation 11 (European sites and European marine sites).

7. Amendment to regulation 13 (sites meeting the conditions of the Directive).

8. New regulation 14.

9. Amendment of regulation 15 (sites in relation to wild bird habitat).

10. Amendment of regulation 17 to 19.

11. Cession of Regulation 18 (conservation areas).

12. Amendment of regulation 19 (conservation of species).

13. Insertion of new regulation 20A.

14. Amendment of regulation 17 (species of European origin).

15. Amendment of regulation 20 (conservation of species which are not European origin).

Bats as protected species?



Thousands more bats have been killed by
use of sympathetic bat traps.

John Young of the group that traps, joined a group of bat watchers at a mosque's minaret in Birmingham, to help identify the species of bats believed to be living in elevated gorges around the city.

After giving the estimated numbers of bat numbers that had been captured over a two-year-long bat survey, identification began on Monday night as members of the Polytechnic bat family returned to Bognor.

Joiner traps also have been
used to more rapidly capture,

Developer fined for destroying bat home in London

by [jessica](#)



Property developer who deliberately demolished a house containing protected bats have been fined £10,000.

Jesse Ross, 39, and Tim Park, 38, directors of Lantress Developments Ltd, were found guilty at Westminster Magistrates' Court to damaging or



THE THREAT TO ENDANGERED SPECIES OF BATS



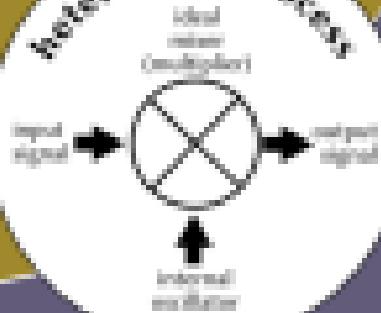
- The existing buildings of HMP Wellingborough, several of which would be demolished under the plans, are situated within a series of large water bodies and the river Nene, all of which provide hibernation sites.



Ita, The local branch of the National Bat Conservation Records of the species of Bats in the UK expect there are more Bats and their roosts are protected under the

**Bats as protected
species?**

Heterodyne process



internal oscillator

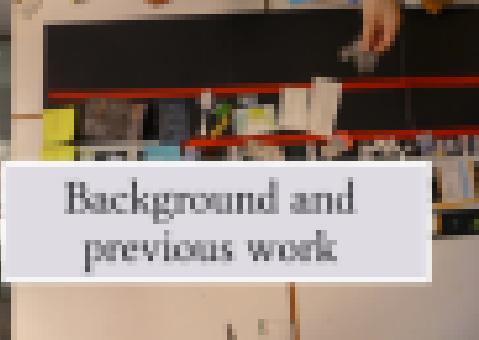
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Bats and technologies





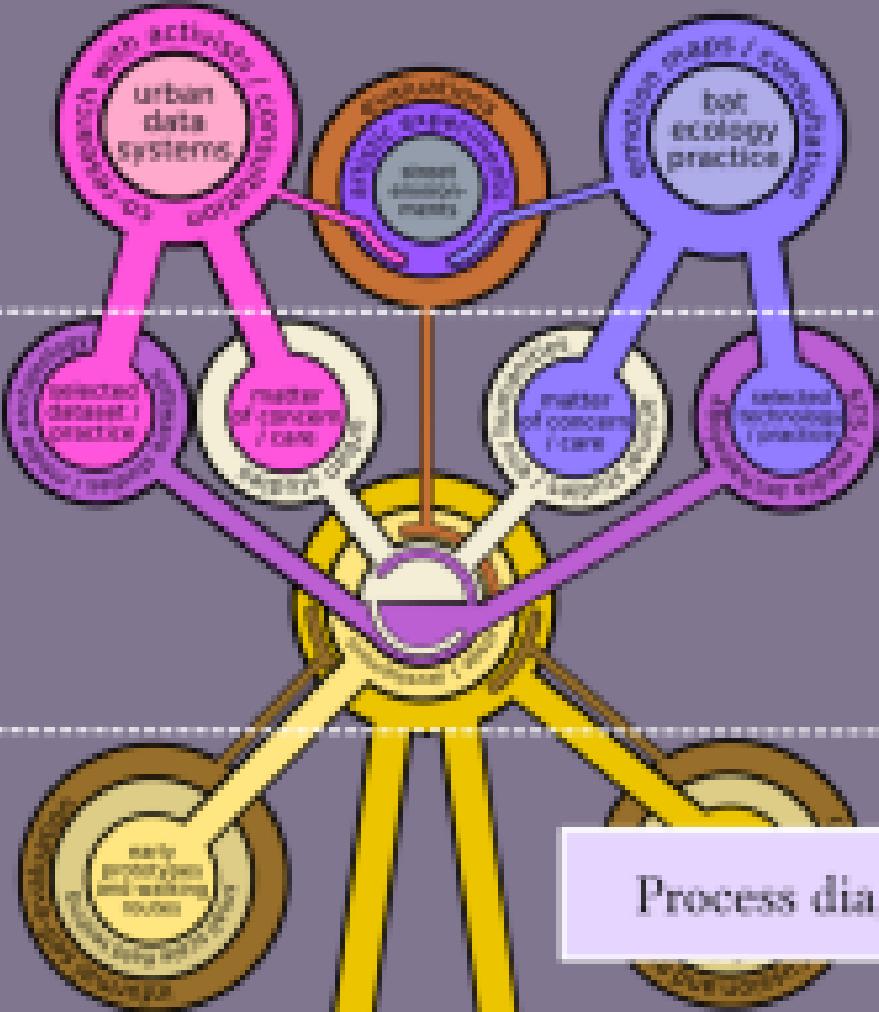
Record ID	Description	Post code
2003-09-01	Demolition off a 3 storey building, address not known	
2003-09-02	Demolition off 3 + 3 storey building, address not known	
2003-09-03	Demolition demolition of existing building, address not known	
2003-09-04	Demolition of existing building, address not known	
2003-09-05	Demolition of existing building, address not known	
2003-09-06	Demolition of existing building, address not known	
2003-09-07	Demolition of existing building, address not known	
2003-09-08	Demolition of existing building, address not known	
2003-09-09	Demolition of existing building, address not known	
2003-09-10	Demolition of existing building, address not known	
2003-09-11	Demolition of existing building, address not known	
2003-09-12	Demolition of existing building, address not known	
2003-09-13	Demolition of existing building, address not known	
2003-09-14	Demolition of existing building, address not known	
2003-09-15	Demolition of existing building, address not known	
2003-09-16	Demolition of existing building, address not known	
2003-09-17	Demolition of existing building, address not known	
2003-09-18	Demolition of existing building, address not known	
2003-09-19	Demolition of existing building, address not known	
2003-09-20	Demolition of existing building, address not known	
2003-09-21	Demolition of the single storey rear wing	
2003-09-22	Demolition and renovation of roof levels	
2003-09-23	Demolition of existing building, address not known	
2003-09-24	Demolition of existing building, address not known	
2003-09-25	Demolition of existing building, address not known	
2003-09-26	Demolition of existing building, address not known	
2003-09-27	Demolition of existing building, address not known	
2003-09-28	Demolition of the end wall	
2003-09-29	Demolition of existing building, address not known	
2003-09-30	Partial demolition of	
2003-10-01	Demolition of existing building, address not known	

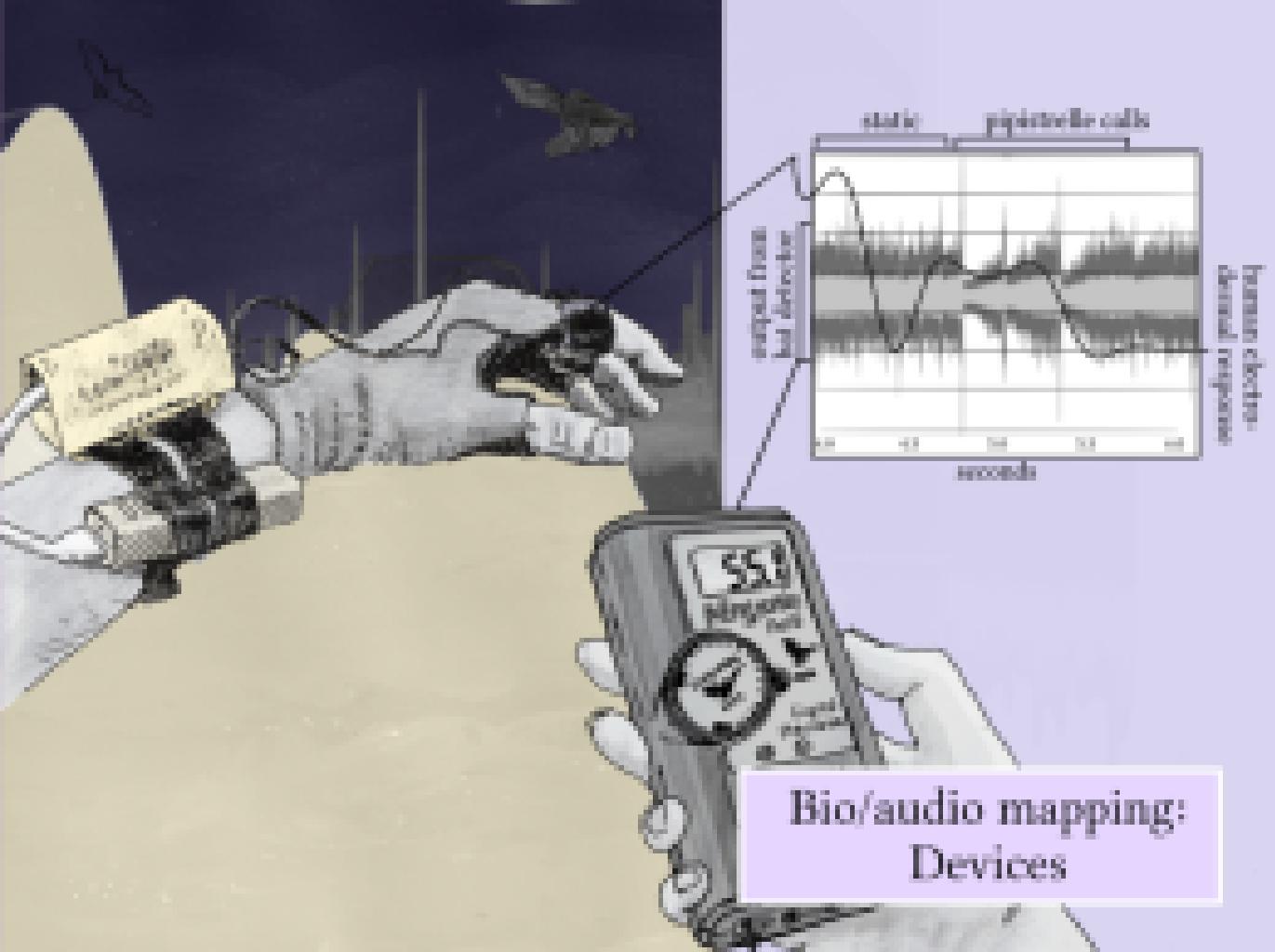
Datasniffer: initial concept

Trials

Synthesis

Exploration





CONCRETE ACTION SUBVERSIVE INFORMATION SERVICES

We provide a platform to support
communities fighting for housing
and against social cleansing in
London.

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London Development Database

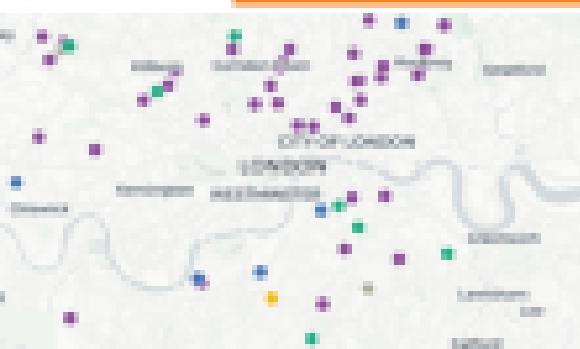
The London Development Database (LDD) is a collaborative project between the Mayor and the London Boroughs to track planning activity across London.

- [What is the LDD?](#)
- [What does the LDD contain?](#)
- [How does it represent?](#)
- [Where can I access the LDD?](#)
- [Can I have access to the data?](#)

WHAT IS THE LDD?

The LDD is the system tracking the Mayor's major planning permissions and approvals across London. It has been running since 2004.

The data is provided by the London boroughs under the信息公开 Act. The project and processes are overseen by the Mayor's office. The LDD is a key component of the [Open Data Strategy](#) and the [Mayor's Plan for Action](#). [Find out what a difference access to open data can make to your business or organisation](#).



Co-operative Inquiry into housing data

WHAT ARE THE LDD numbers?

The LDD contains details of all planning consents, meeting strict agreed with the London Boroughs. The counts are:

Visible

Data: Planning applications affecting all local authority housing in London

Source: London Development Database, GLA

Legend: Change in housing balance → Colours

People

Show labels

Filters: Summary | Unit | Details

Details of the Application

Borough Ref: 11-LDN-4300

Address: One bounded by Edmund Street, SE1

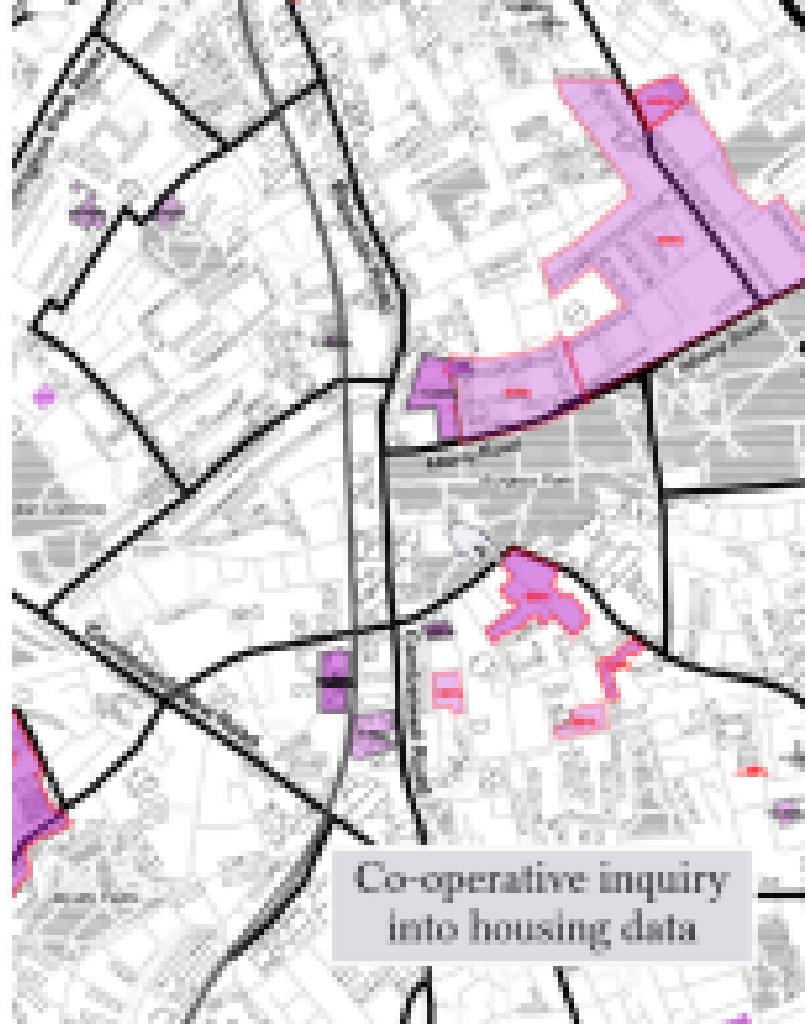
Borough: Southwark

Housing Units

Type	Existing	%	Proposed	%	Change
Housing	11	1%	17	2%	+6
Non-Domestic	100	99%	0	0%	-100
Total	111	100%	17	2%	+94

Status: COMPLETED

Permission granted on: 2011-03-17



```
    if (is_prime(n)) {
        for (int i = 2; i < n; i++) {
            if (n % i == 0) {
                cout << "Not prime" << endl;
                return 0;
            }
        }
        cout << "Prime" << endl;
    } else {
        cout << "Not prime" << endl;
    }
    return 0;
}
```

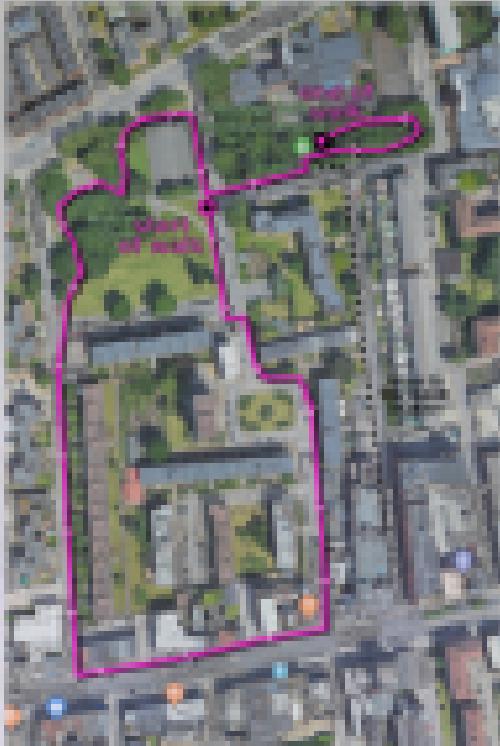




Datasniffer: built
prototypes



DataSniffer:
informal trials



Bethnal Green Walk, 17 Sept 2019



Camberwell Walk, 21 Sept 2019

Datasniffer:
evaluated trials

london development datascriffer -- inputs and outputs

output



interactions

- check for permission and status.
- cognitive calibration for location aware.
- continuous location geometry movement detection.
- location based contextual features like time component, day/night, weather.
- detect user's movement pattern using the location history feature for location.
- location-based access for emergency services like fire department.



location

- a location-based service to track the user's location.
- location planning approach where a location solution to query location based on location context analysis or results.
- location processing using location solutions, location queries and location prediction for location specific targeting.

user controls



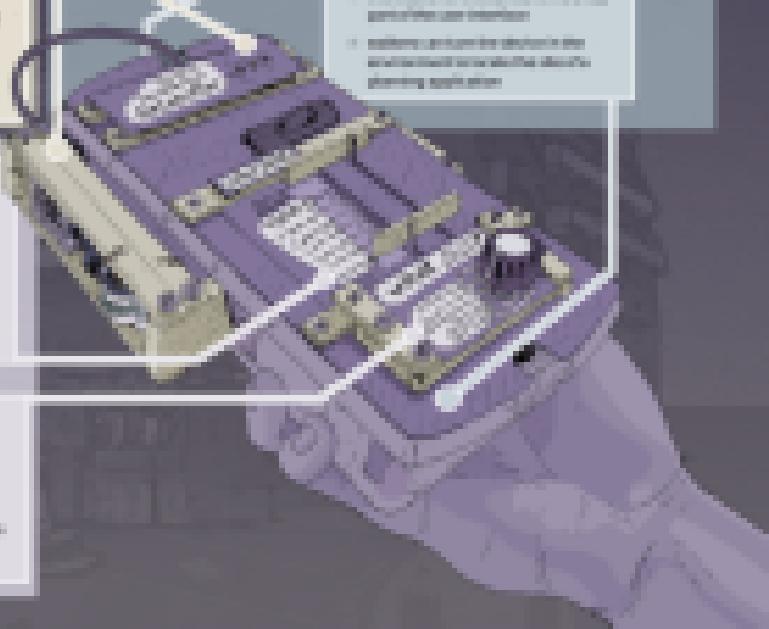
data stores

- location history by individual, group, location, geo-fencing, neighborhood, location context, location context when user's location history was recorded.
- user and location associations where user's associations or user location history.



filter switch

- user interaction to enable/disable a location specific requirement. For example, location aware navigation, location aware traffic aware navigation, or user location aware location & navigation.
- location specific setting requirement for location aware and location specific user location requirement.



location

contents of the london development database

permissions

every 'major' approved planning permission application in London since around 2004

total:

146,459 records

residential 'units'

existing and proposed homes, categorised by tenure and provider

existing: 52,832 records

proposed: 115,727 records

commercial space

floorspace in square metres of commercial space, classified by use code

existing: 54,099 records

proposed: 35,512 records

non-residential bedrooms

existing: 3,003 records

proposed: 4,967 records

open space

limited data on officially designated open space (does not include all vacant space), measured in hectares

existing: 1,664 records

proposed: 1,365 records

traveller pitches

existing: 39 records

proposed: 11 records

not in the database (but in planning system)

approved applications
that don't meet the
inclusion criteria

types of applications generally not included

- tree works
- extensions to dwellings
- changes of use (<1000m²)
- listed building consents
- advertising cements
- telecommunications
- and more I don't yet understand

pending
applications

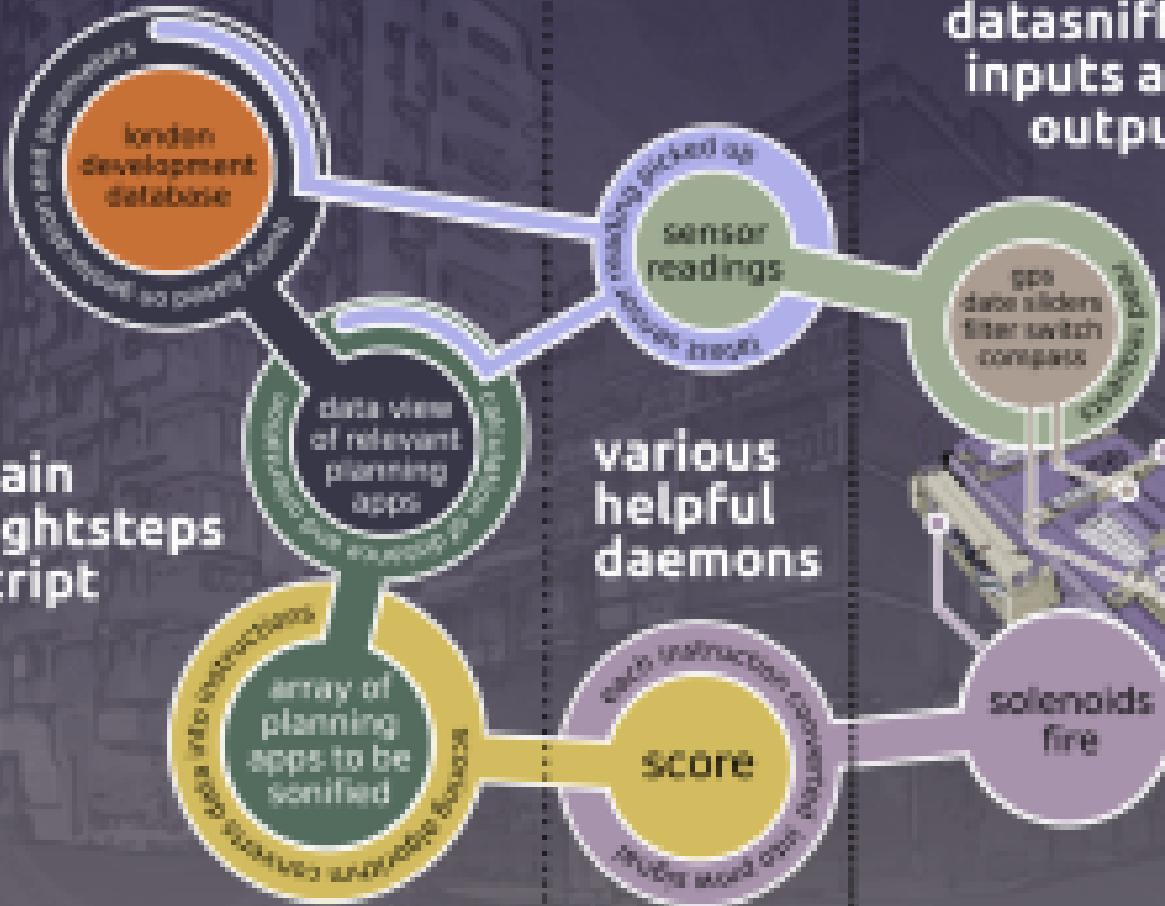
rejected
applications

some examples of fields not captured in database

- materials used
- presence of protected species
- presence of important habitat
- geological importance of site
- contamination of land
- new roads or rights of way
- increases to flood risk
- methods to dispose of sewage & water
- presence of hazardous substances
- visibility of site

datasniffer inputs and outputs

main nightsteps script



creating the score from data

- main parameter is distance between deferrer and application site - this controls the tempo of the score, and the density of strikes
- the pattern of strikes depend on certain parameters (e.g. how long ago was it, are there proposed resi units etc)
- different planning applications will have slightly different rhythms, but any actual difference probably lost on people

example score

```
1. force:80-def:11  
2. force:84-def:10  
3. force:84-def:10  
4. force:84-def:10  
5. force:84-def:10  
6. force:84-def:11  
7. force:84-def:11  
8. force:84-def:11  
9. force:84-def:11  
10. force:84-def:11  
11. force:84-def:11  
12. force:84-def:11  
13. force:84-def:11  
14. force:84-def:11  
15. force:84-def:11  
16. force:84-def:11  
17. force:84-def:11  
18. force:84-def:11  
19. force:84-def:11  
20. force:84-def:11
```

playing the scores

- score is read one line at a time
- the score updates while it is being read, but it will always be read from the next line (does not restart)
- in this version, the instruction is simple - whether the solenoid should strike, how strongly and for how long
- new version is more sophisticated

script



three approaches to the datasniffer's output

informational

conveying aspects of the data held in the planning application database

conceptual

use of data and output to create new meaning, new resources for conversation or imagining

affective

output of datasniffer elicits different affective and emotional responses to the database



three approaches to the datasniffer's output

informational

conveying aspects of the data held in the planning application database

conceptual

introduction of planning data into
bot walk creates new meaning,
new resources for conversation

affective

output of *datasniffer* elicits different affective and emotional responses to the database

what dimensions of the data do i want to convey and why?

does not make sense as primary focus -- approach deliberately limits available information

information-centred sonic output might work for aggregated applications, but probably not single ones -- would need to be relational.

Document ID	Title	Author	Date	Category	Page Count	File Size
D1001	Report on Project Alpha	John Doe	2023-01-15	Technical Report	12	5.2 MB
D1002	Market Analysis for Q1	Jane Smith	2023-01-10	Market Research	8	3.5 MB
D1003	Strategic Plan for 2023	David Lee	2023-01-20	Strategic Planning	15	6.8 MB
D1004	Financial Performance Report	Sarah Johnson	2023-01-18	Financial Report	10	4.1 MB
D1005	Operational Efficiency Audit	Michael Chen	2023-01-12	Operational Audit	9	3.9 MB
D1006	Customer Feedback Survey	Emily White	2023-01-05	Customer Feedback	7	2.8 MB
D1007	Supplier Performance Review	Alexander Green	2023-01-19	Supplier Performance	11	4.9 MB
D1008	Risk Assessment Document	Olivia Blue	2023-01-11	Risk Assessment	6	3.2 MB
D1009	Regulatory Compliance Report	Matthew Black	2023-01-08	Regulatory Compliance	13	5.7 MB
D1010	Employee Training Program	Natalie Grey	2023-01-03	Employee Training	5	2.4 MB

three approaches to the datasniffer's output

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bot walk creates new meaning,
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focus on effectiveness of conveying presence of planning applications.

categories on filter switch are easy way of conveying concepts, within limits of database.

what are you?



possibility for sharper framing of datasniffer sonic output, with clever logic for dynamic score composition.

three approaches to the datasniffer's output

informational

conveying aspects of the data held in the planning application database

conceptual

Introduction of planning data into bat walk creates new meaning, new resources for conversation

affective

output of datasniffer elicits different affective and emotional responses to the database

work on output design that heightens different responses, such as unease or a sense of connection with what is happening

need to work out what is important in generating these effects - makers have highlighted the movement and vibration as well as sound as being important here





Reflections