PostgreSQL and PostGIS Training Itinerary

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Items with numbers refer to ones that have supporting documentation.

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| Time | Description |
| 09:30 | Start and Introductions. Discussion on goals and outcomes. Run through of itinerary. |
| 09:45 | 1. Introduction to PostgreSQL and comparisons with other Enterprise DB Technologies. |
| 10:00 | 2. Installing PostgreSQL. |
| 10:15 | 3. PostgreSQL clients – pgAdmin III, pgAdmin 4 and alternatives. |
| Break/Informal Discussion | |
| 11:00 | 4. Creating PostgreSQL databases, schemas, tables and datatypes. |
| 11:10 | 4b. Exercise: Creating a database using pgAdmin 4. |
| 11:30 | 5. PostgreSQL. Common queries: SELECT, GROUP BY, ORDER BY. |
| 12:00 | 5b. Exercise. Querying a database using pgAdmin. |
| Lunch | |
| 13:20 | 6. GIS data types. |
| 13:30 | 7. Introduction to PostGIS. |
| 13:45 | 8. Installing PostGIS. |
| 14:00 | 9. PostGIS data loading (ogr2ogr, shp2pgsql) |
| 14:15 | 9b. Exercise: Loading OS MasterMap data. |
| 14:30 | 9c. Exercise: Loading OS AddressBase data. |
| 14:45 | 9d. Exercise: Loading OS Code Point data |
| Break/Informal Discussion | |
| 15:00 | 10. PostGIS SQL common spatial queries. |
| 15:15 | 10b. Exercise: Various spatial queries. |
| 15:30 | 11. Exporting data with PostGIS (pgsql2shp, ogr2ogr) |
| 15:45 | 11b. Exercise: Data exports. |
| 16:00 | Discussion, further queries, resources, and close |

Follow up queries: [dave.rowe@cartoconsult.co.uk](mailto:dave.rowe@cartoconsult.co.uk)