

Mapping children's places and activities:

Analysis of the local area around a primary school

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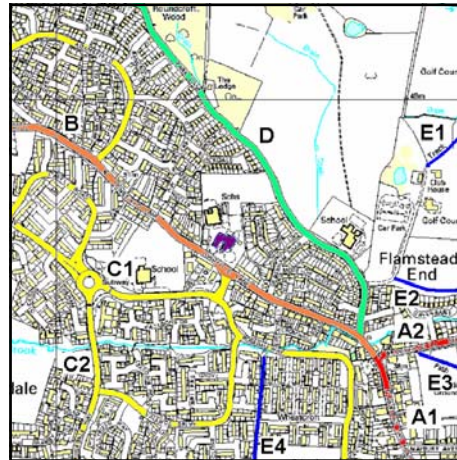
- (1) Bartlett School of Planning
- (2) Centre for Advanced Spatial Analysis (CASA)
- (3) Centre for Transport Studies



Study area:
1km square



Typical view – main road



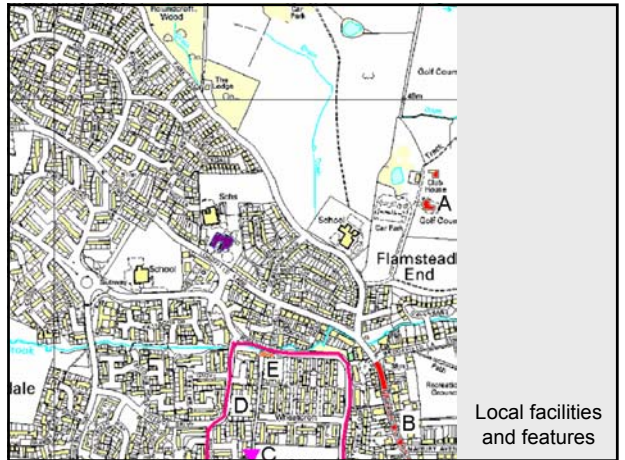
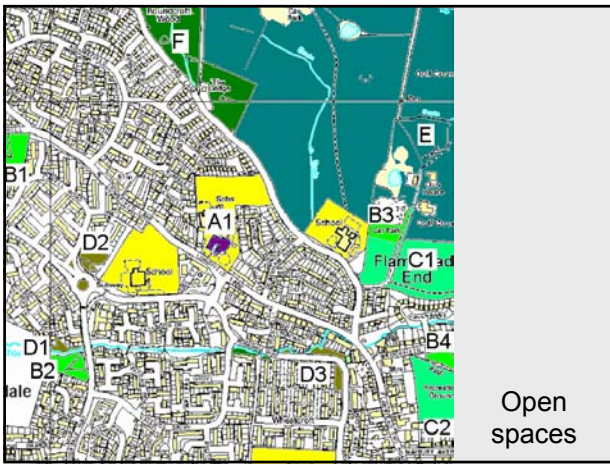
Routes



Longfield Lane (footway on one side)



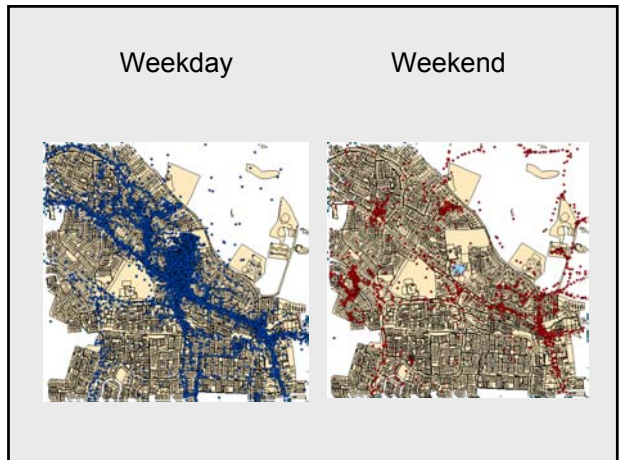
Country lane



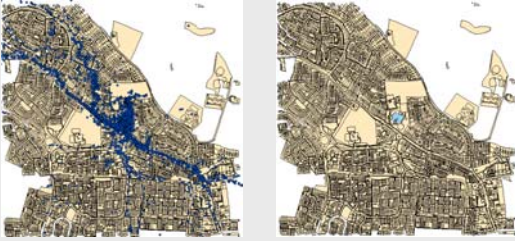
GPS equipment and data



Location (Latitude, Longitude)	Date and time	Altitude	Speed
N51 42.724 W0 03.261	17/11/2005 21:00:36	198 ft	0.0 mph
N51 42.976 W0 03.338	18/11/2005 12:48:34	89 ft	5.6 mph
N51 42.953 W0 03.329	18/11/2005 12:48:37	89 ft	33.0 mph
N51 42.954 W0 03.346	18/11/2005 12:48:48	89 ft	3.9 mph
N51 42.963 W0 03.345	18/11/2005 12:48:50	89 ft	18.8 mph



Morning (0500-0900)



Weekday

Weekend

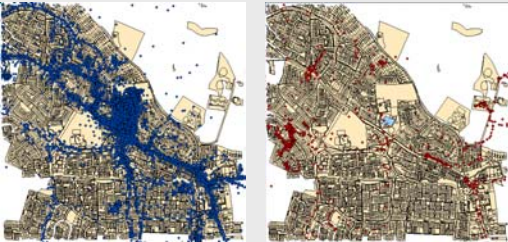
'School hours' (0900-1500)



Weekday

Weekend

'After school' (1500-1900)



Weekday

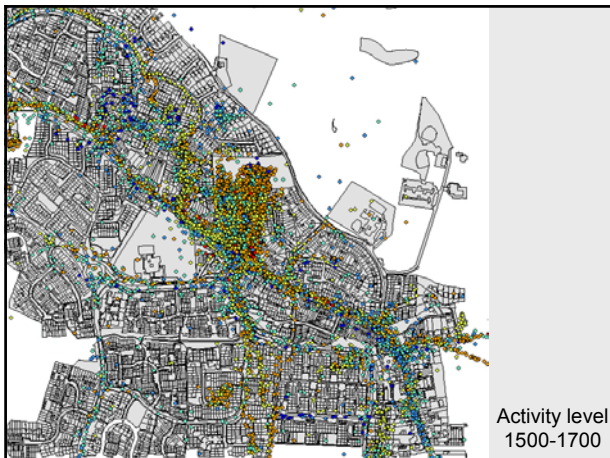
Weekend

Evening (1900-2400)



Weekday

Weekend



Conclusions – research findings

- Some insights into differences between school day and weekend activity, and time of day
- Some insights into activity levels
- Some insights into which areas are more used and less used

Conclusions – research execution

- Development and testing of GPS method
- Avoids some of problems of other survey methods (travel diaries / interviews etc.)
- But those other survey types are valuable for complementary information
- Preliminary results – more in the pipeline (more schools, more surveys, more analyses)

Further information

- EPSRC funded project – CAPABLE
- Children's Activity, Perception and Behaviour in the Local Environment
- Roger Mackett, David Banister, Michael Batty, Dorothy Einon
- In association with Flamstead End Primary School, Hertfordshire County Council, Groundwork UK, Children's Play Council, The Young Foundation
- www.casa.ucl.ac.uk/capableproject