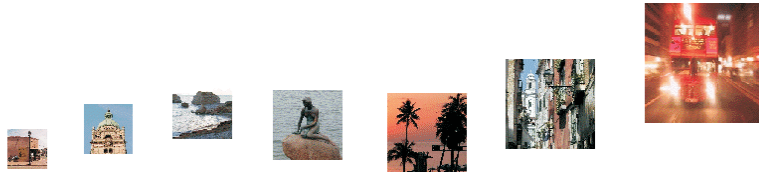


Computational Logic in Multi-Agent Systems

Sixth International Workshop

City University London, UK, 27-29 June, 2005

Programme and Logistic Information



CLIMA VI Home Page:
<http://clima.deis.unibo.it/>

Schedule and Logistics

Schedule at a Glance

	27 June, Monday	28 June, Tuesday	29 June, Wednesday
8:45	Registration	Registration	Registration
9:15	Opening		
9:30	Tutorial T1 (Rafael Bordini)	Tutorial T2 (Michael Fisher)	Tutorial T4 (Marek Sergot)
10:30	coffee break	coffee break	coffee break
11:00	Tutorial T5 (Fariba Sadri & Kostas Stathis)	Tutorial T6 (Federico Chesani & Marco Gavanelli)	Tutorial T3 (Keith Clark & Silvana Zappacosta Ambold)
12:00	CLIMA Session A: Composition and Completeness	CLIMA Session C: Interacting Agents	Invited Talk by Bob Kowalski
13:00	lunch break	lunch break	lunch break
14:00	CLIMA Session B: Reasoning about Agent Knowledge	CLIMA Contest	CLIMA Session E: Executing Agents
15:30		coffee break	coffee break
16:00	coffee break	CLIMA Session D: Normative Multi-Agent Systems	CLIMA Session F: Agent Abilities, Intentions, and Trust
16:30	SOCS Dissemination		
17:30			Closing
18:30		Social Dinner at the OXO tower	

After dinner: WTF Funky gig at Halfmoon Putney

Detailed Schedule

June 27, Monday

8:45-9:15: Registration.

8:15-9:30: Opening.

9:30-12:00: Tutorials T1 and T5.

- BDI Agent Programming in AgentSpeak Using *Jason*, by *Rafael H. Bordini*
- The *KGP* model of agency, by *Fariba Sadri and Kostas Stathis*

12:00-13:00: Session A: Interacting agents.

Chair: Evelina Lamma

- Verification of protocol conformance and agent interoperability, by *Matteo Baldoni, Cristina Baroglio, Alberto Martelli, and Viviana Patti*
- A semantics for agent communication languages based on commitments and penalties, by *Leila Amgoud and Florence Dupin de Saint-Cyr*

14:00-16:00: Session B: Reasoning about agent knowledge.

Chair: Rafael H. Bordini

- Reasoning about epistemic states of agents by modal logic programming, by *Linh Anh Nguyen*
- Decision procedure for a fragment of mutual belief logic with quantified agent variables, by *Regimantas Pliuskevicius and Aida Pliuskeviciene*
- Strongly complete axiomatizations of “knowing at most” in standard syntactic assignments, by *Thomas Ågotnes and Michal Walicki*
- Logical spaces in multi-agent only knowing systems, by *Bjørnar Solhaug and Arild Waaler*

16:30-18:00: SOCS Dissemination.

June 28, Tuesday

9:10-9:30: Registration.

9:30-12:00: Tutorials T2 and T6.

- Programming Rational Agent Groups using Executable Logics, by *Michael Fisher*
- Specification and verification of agent interaction using *SOCS-ST*, by *Federico Chesani and Marco Gavanelli*

12:00-13:00: Session C: Composition and completeness in multi-agent systems.

Chair: Stefania Costantini

- Combining answer sets of nonmonotonic logic programs, by *Chiaki Sakama and Katsumi Inoue*
- Speculative constraint processing with iterative revision for disjunctive answers, by *Martine Ceberio, Hiroshi Hosobe, and Ken Satoh*

14:00-15:30: CLIMA contest.

Chair: Jürgen Dix

- Using pheromones, broadcasting and negotiation for agent gathering tasks, by *Simon Coffey and Dorian Gaertner*
- Reactive food gathering, by *Robert Logie, Jon G. Hall, and Kevin G. Waugh*
- Extending tropos for prolog implementation: a case study using the food collecting agent problem, by *Carlos Cares*
- Strategies for multi-agent coordination in a grid world, by *Eder Mateus Nunes Gonçalves and Guilherme Bittencourt*

16:00-17:00: Session D: Normative multi-agent systems.

Chair: Kostas Stathis

- Constitutive norms in the design of normative multi-agent systems, by *Guido Boella and Leendert van der Torre*
- Contextual terminologies, by *Davide Grossi, Frank Dignum, and John-Jules Ch. Meyer*

June 29, Wednesday

9:10-9:30: Registration.

9:30-12:00: Tutorials T4 and T3.

- Norms and institutions in agent societies: the language $(\mathcal{C}/\mathcal{C}^+)^{++}$, by *Marek J. Sergot*
- Programming multi-agent systems in *Qu-Prolog*, by *Keith Clark and Silvana Zappacosta-Amboldi*

12:00-13:00: Invited Talk by Bob Kowalski: Combining logic-based agents and decision theory.

14:00-15:30: Session E: Executing agents.

Chair: Ken Satoh

- Contract related agents, by *John Knottenbelt and Keith Clark*
- Profiles of behaviour for logic-based agents, by *Fariba Sadri and Francesca Toni*
- Diagnosis of plan execution and the executing agent, by *Nico Roos and Cees Witteveen*

16:00-17:30: Session F: Abilities, intentions, and trust.

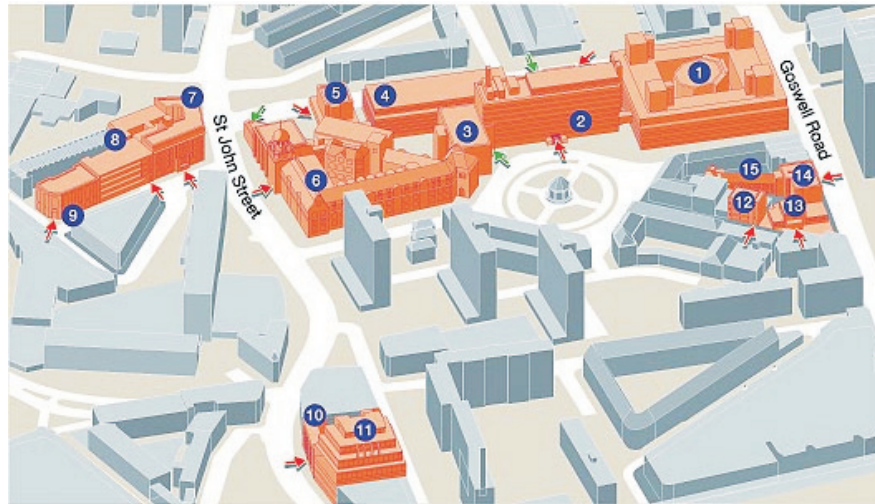
Chair: Marco Gavanelli

- Intention recognition in the situation calculus and probability theory frameworks, by *Robert Demolombe and Ana Maria Otermin Fernandez*
- Ability in a multi-agent context: a model in the situation calculus, by *Laurence Cholvy, Christophe Garion, and Claire Saurel*
- A default theory of trust, by *Johan W. Klüwer and Arild Waaler*

17:30: Closing.

Conference Venue

CLIMA VI will be held at City University of London, in room DLG03 of the Social Science Building (number 7 in the picture below), located on St. John Street at the corner of Whiskin Street, opposite the entrance to College Building (number 2).



Social Events

The *Social Dinner* will take place on Tuesday, at the OXO tower brasserie, from 6:30pm until 8:30pm. The OXO Tower is a spectacular 75 meters terrace offering breathtaking views of the city. It is located on the South Bank of the Thames in London near Waterloo Tube Station. The Harvey Nichols brasserie is on the eighth floor of the tower.

After the Social Dinner, the night continues at *Halfmoon Putney*, with W.T.F. as the main band playing in a super-funky gig. Halfmoon Putney is a very “up” pub and venue, hosting live music full time since 1963. Their hall of fame includes names as big as The Rolling Stones, Pat Metheny, Kate Bush, B. B. King, the Crickets, the U2, Van Morrison, the Who, and many more. From the OXO tower it is possible to reach the Halfmoon Putney by train from Waterloo (from Waterloo Tube Station: Take South West Trains towards Weybridge, get off at Putney, then walk to 93 Lower Richmond Road, SW15). Entry (not included in the CLIMA registration fee) is £4 with flyer.

London Transportation

Transportation is not provided by the CLIMA organisation. A journey planner showing itineraries, fares, timetables and maps is available from the Transport for London website: <http://journeyplanner.tfl.gov.uk/> If travelling around, a one day travelcard for zones 1 and 2 is recommended. The price of an off-peak daily travel card is £4.70 (“off-peak” means not valid before 9:30 am).

Walter Sickert Hall

Walter Sickert Hall of Residence is in 29 Graham Street, London, N1 8LA. (Tel: 020 7040 8822, Fax: 020 7040 8825). Below is a map showing the location of the Hall (marked with number 1).



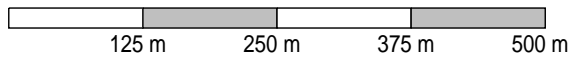
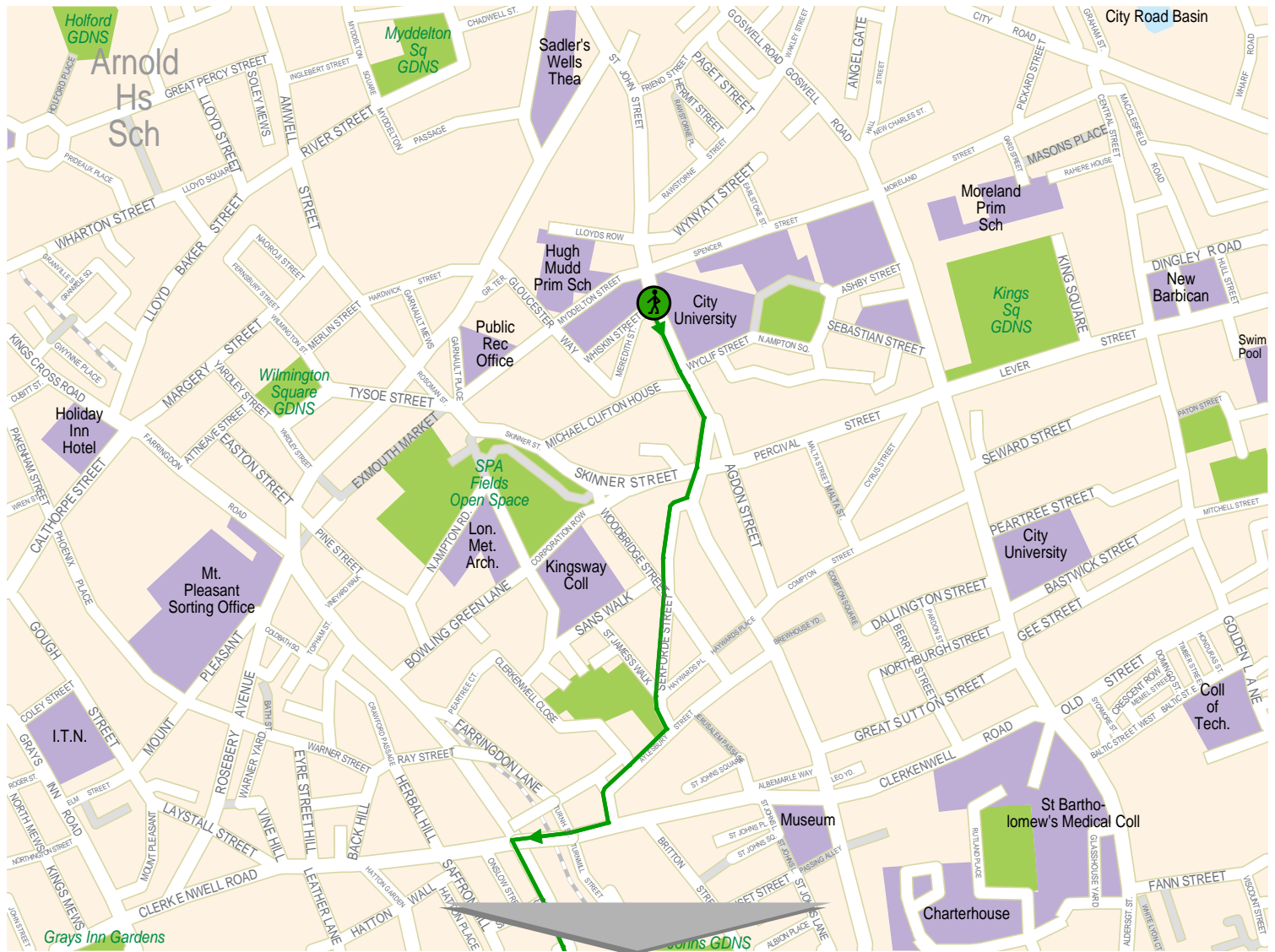
Directions

How to reach...

OXO Tower on foot from City University	9
OXO Tower by bus 63 from City University	12
Waterloo station from OXO Tower	14
Halfmoon from Putney train station	15
Walter Sickert Hall from the Halfmoon by bus 14 and N19 ...	16



Suggested Path from London Whiskin Street (x) St John Street to London Barge House Street (middle).



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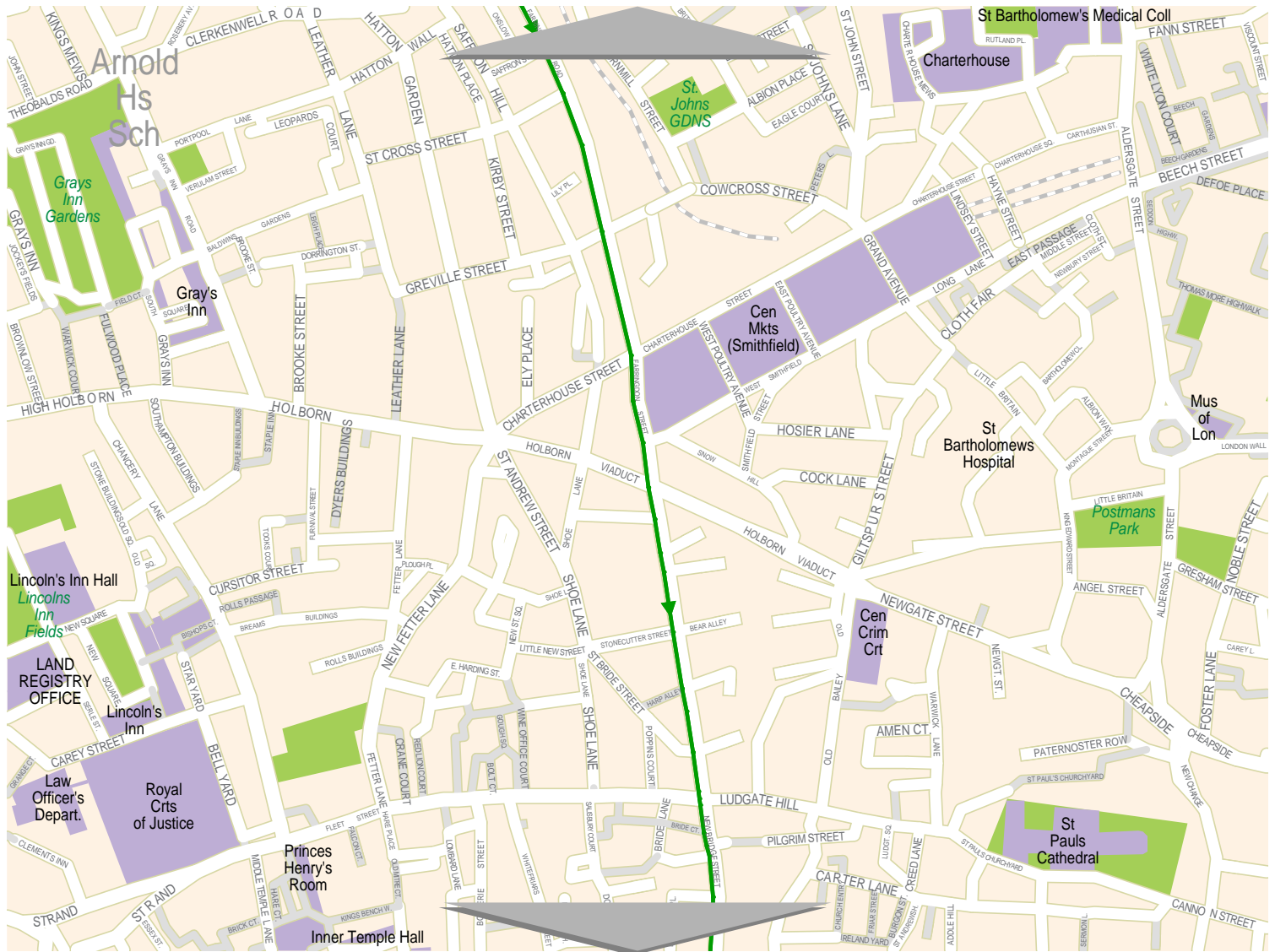
 Walk

 Departure with walk

1.	From London Whiskin Street (x) St John Street.	
2.	St John Street	230 m
3.	Turn Right Into Sekforde Street	270 m 500 m
4.	Turn Right Into Aylesbury Street	130 m 0.6 km
5.	Turn Right Into Clerkenwell Road	110 m 0.7 km
6.	Turn Left Into Farringdon Road	420 m 1.2 km



Suggested Path from London Whiskin Street (x) St John Street to London Barge House Street (middle).



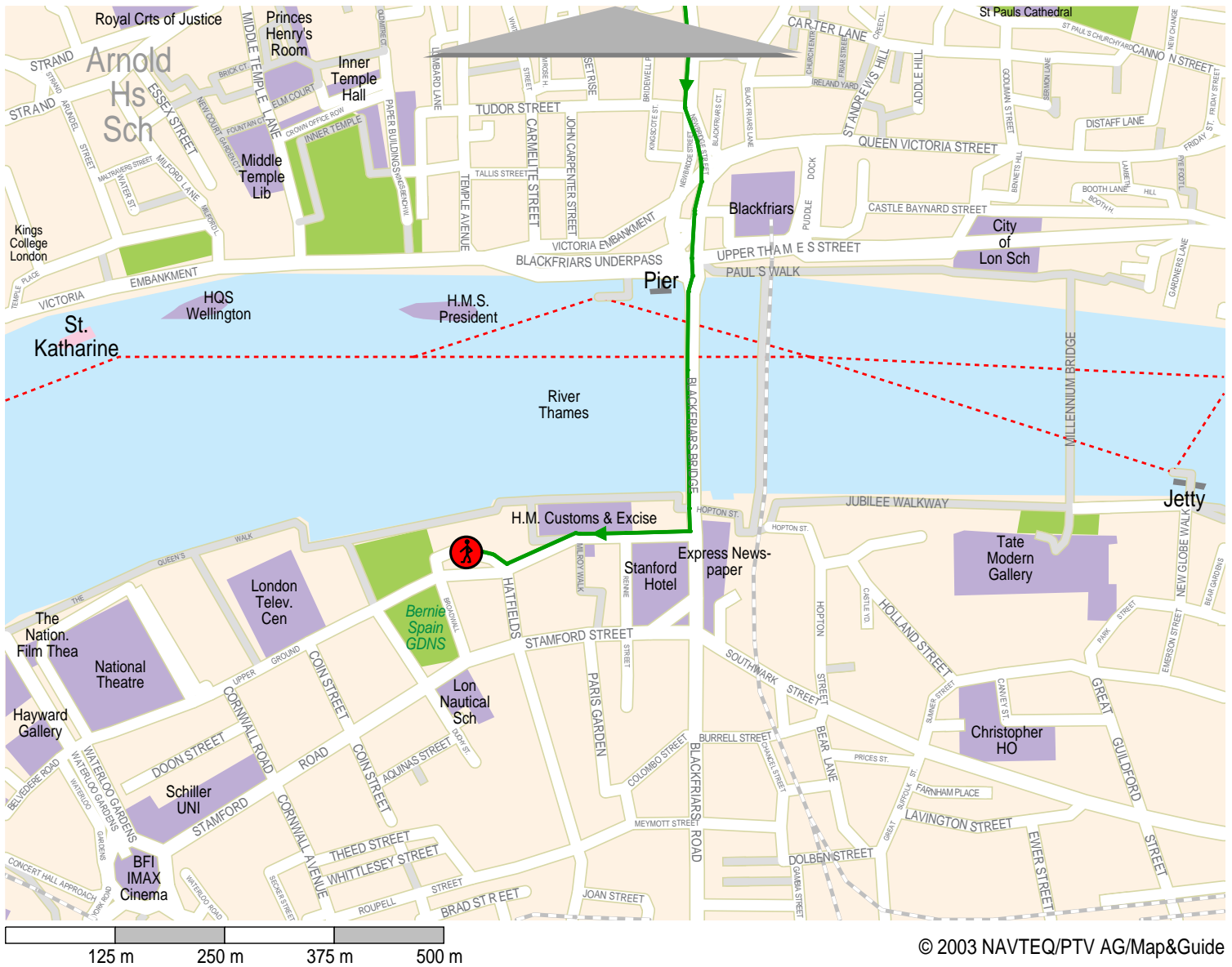
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— Walk

6.	↩	Turn Left Into	Farringdon Road	420 m	1.2 km
7.	↑	Straight Up	Farringdon Street	480 m	1.6 km
8.	↑	Straight Up	Ludgate Circus	20 m	1.7 km
9.	↑	Straight Up	New Bridge Street	300 m	2.0 km



Suggested Path from London Whiskin Street (x) St John Street to London Barge House Street (middle).



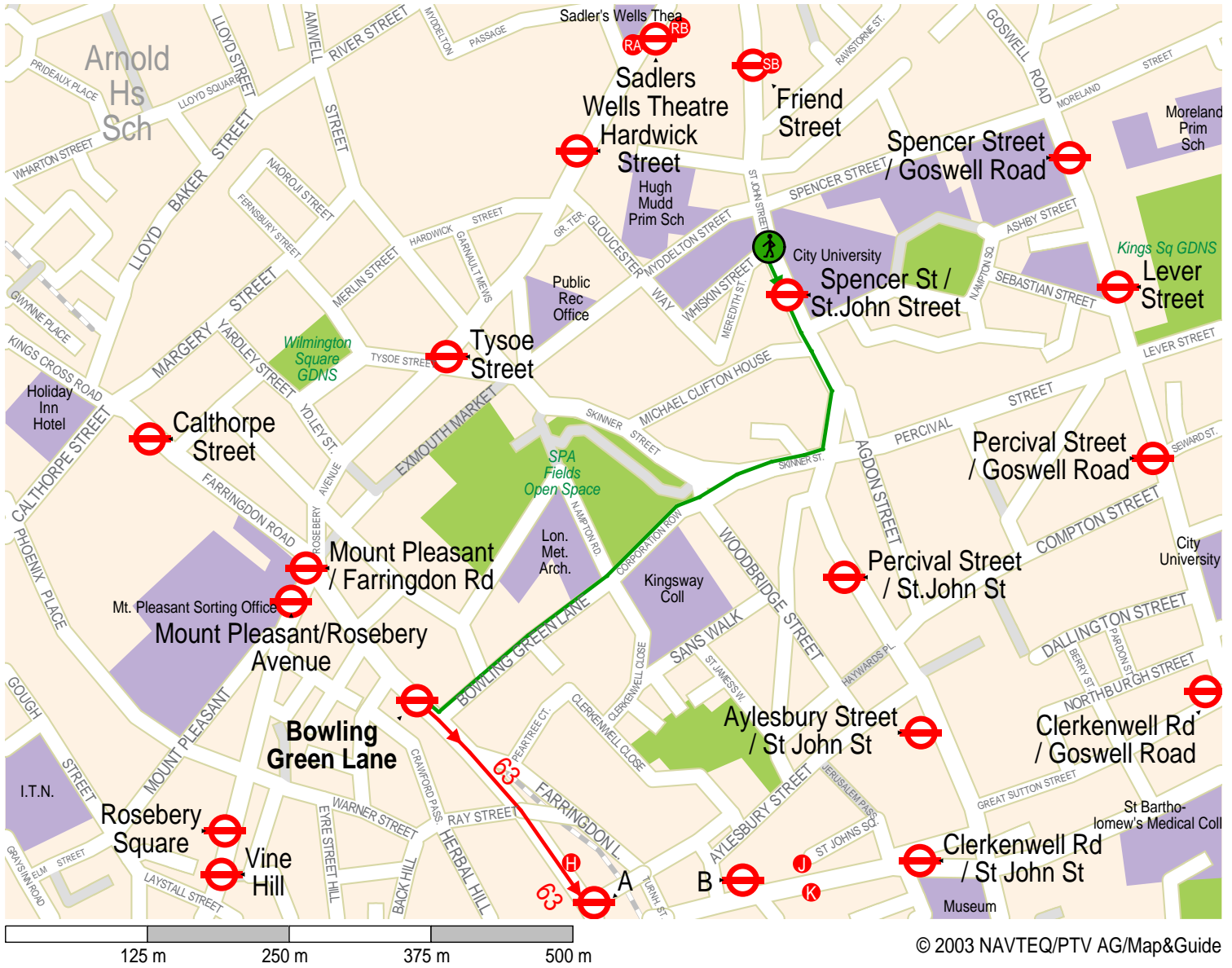
— Walk

Arrival with walk

9.	↑	Straight Up	New Bridge Street	300 m	2.0 km
10.	↑	Straight Up	Blackfriars Bridge	320 m	2.3 km
11.	↑	Straight Up	Blackfriars Road	50 m	2.3 km
12.	↘	Turn Right Into	Upper Ground	220 m	2.6 km
13.	↘	Turn Right Into	Barge House Street	50 m	2.6 km
14.			Arrive at London Barge House Street (middle).		



Suggested Path from London Whiskin Street (x) St John Street to Bowling Green Lane.



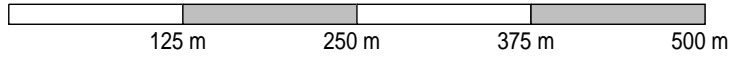
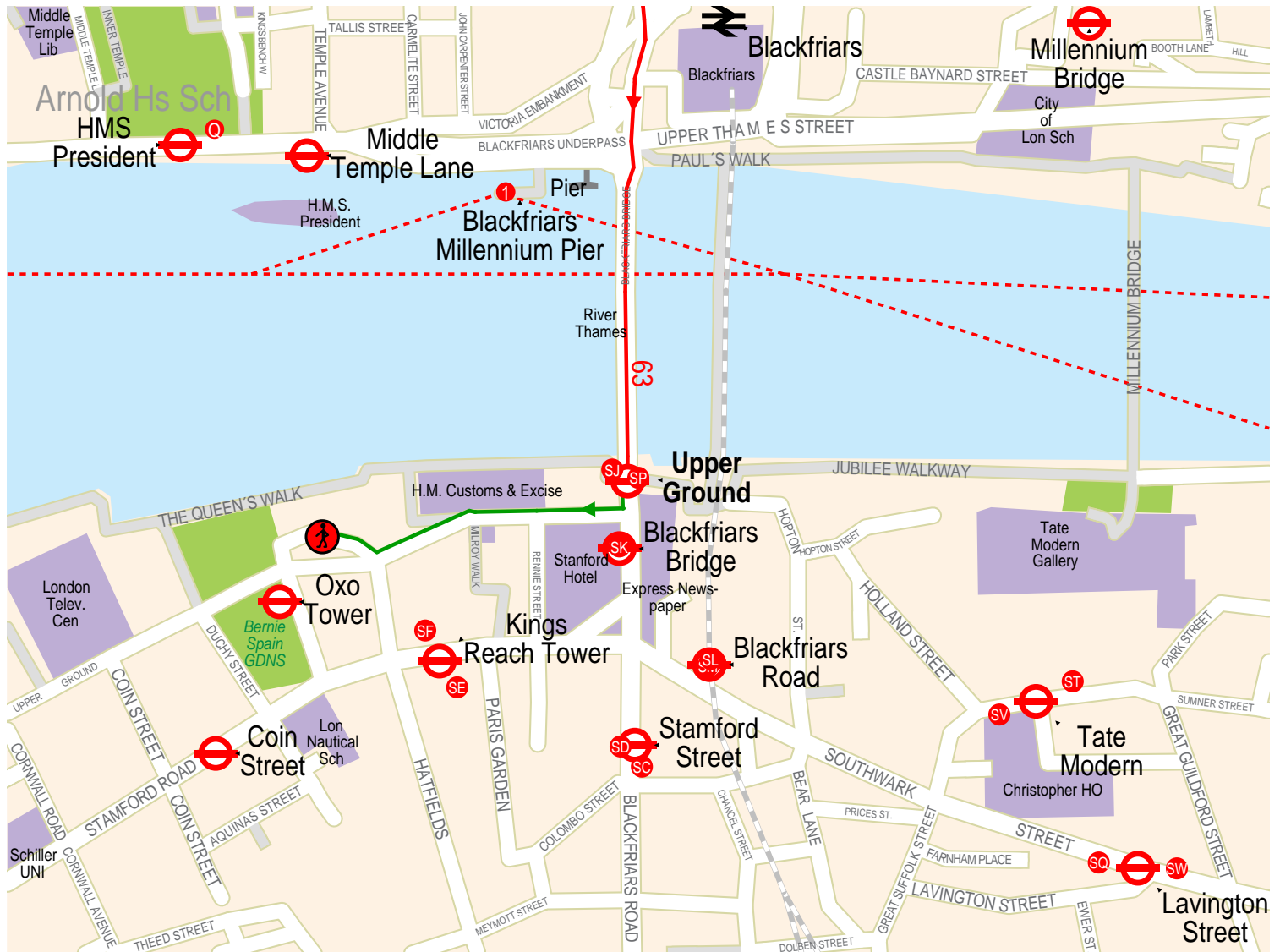
- Walk
- Bus
- Bus
- Departure with walk

A = Clerkenwell Rd / Farringdon Rd
 B = Clerkenwell Green

1.	From London Whiskin Street (x) St John Street.	
2.	St John Street	190 m
3.	Turn Right Into Skinner Street	80 m 270 m
4.	Straight Up Corporation Row	140 m 410 m
5.	Straight Up Bowling Green Lane	190 m 0.6 km
6.	Turn Right Into Farringdon Road	30 m 0.6 km
7.	Arrive at Bowling Green Lane.	



Area Map: Upper Ground

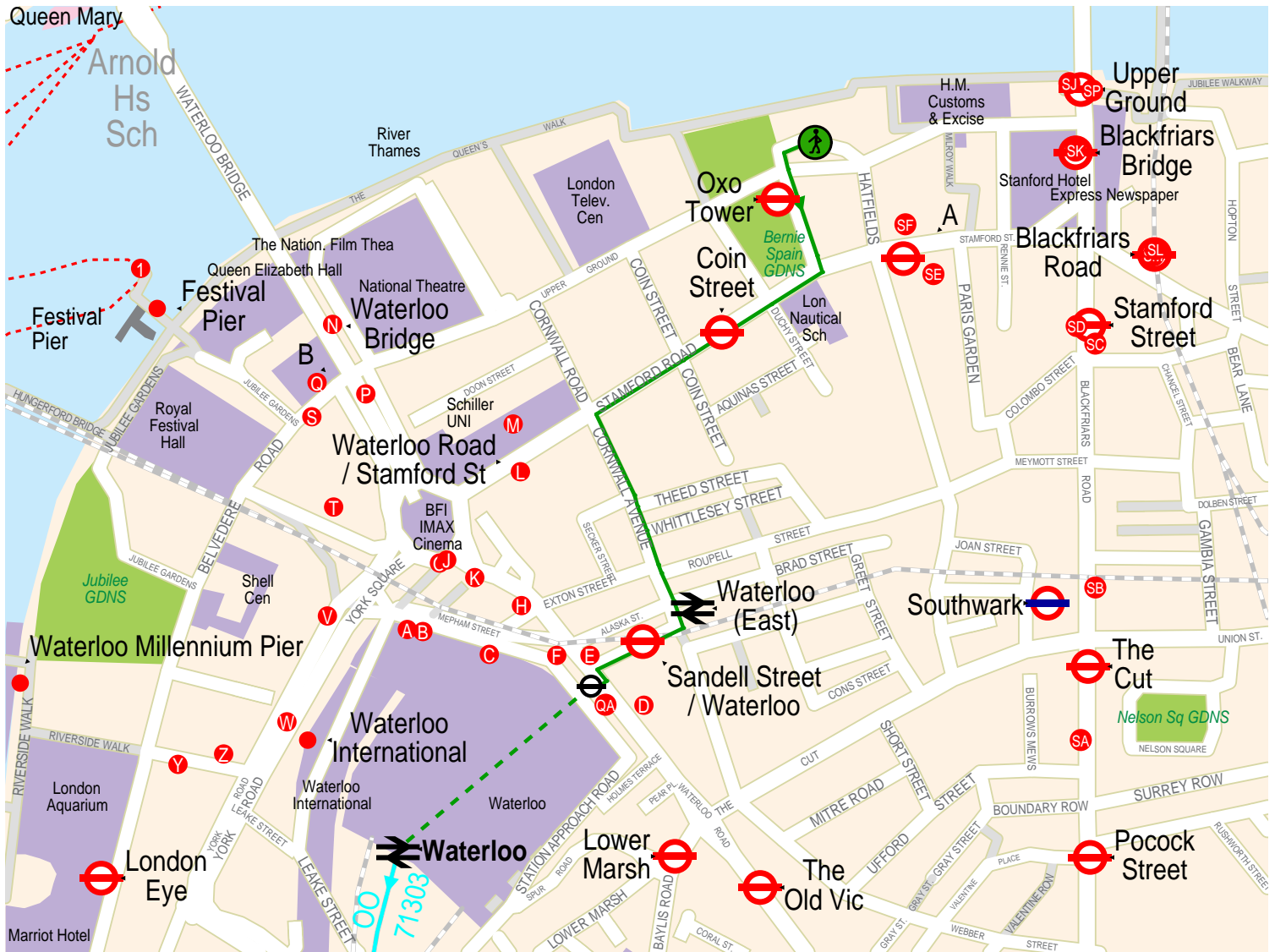


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- Walk
- Bus
- Bus
- Arrival with walk
- Train



Suggested Path from London Barge House Street (middle) to Waterloo.



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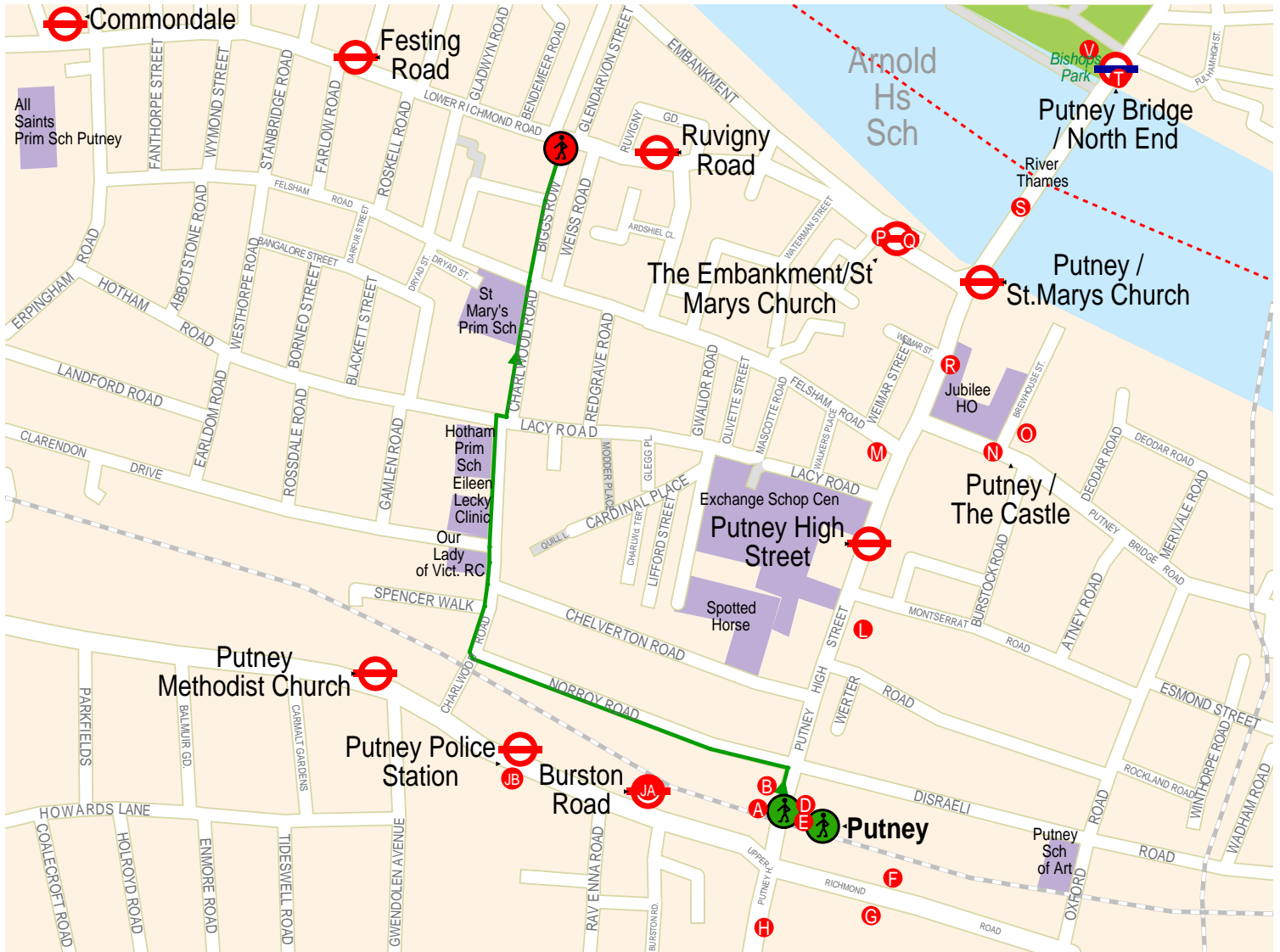
- Walk
- National Rail
- Train
- Entry
- Departure with walk
- Bus
- Station/Stop
- Underground

A = Kings Reach Tower
 B = Royal Festival Hall

1.	From London Barge House Street (middle).	
2.	Barge House Street	60 m
3.	↑ Straight Up	Broadwall 100 m 160 m
4.	↗ Turn Right Into	Stamford Road 260 m 420 m
5.	↖ Turn Left Into	Cornwall Avenue 170 m 0.6 km
6.	↑ Straight Up	Cornwall Road 50 m 0.6 km
7.	↗ Turn Right Into	Sandell Street 90 m 0.7 km
8.	↖ Turn Left Into	Waterloo Road 20 m 0.8 km
9.	Arrive at Waterloo.	



Suggested Path from Putney to London 93 Lower Richmond Road (SW15).



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— Walk



Departure with walk



Arrival with walk



Underground

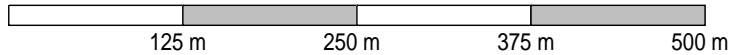
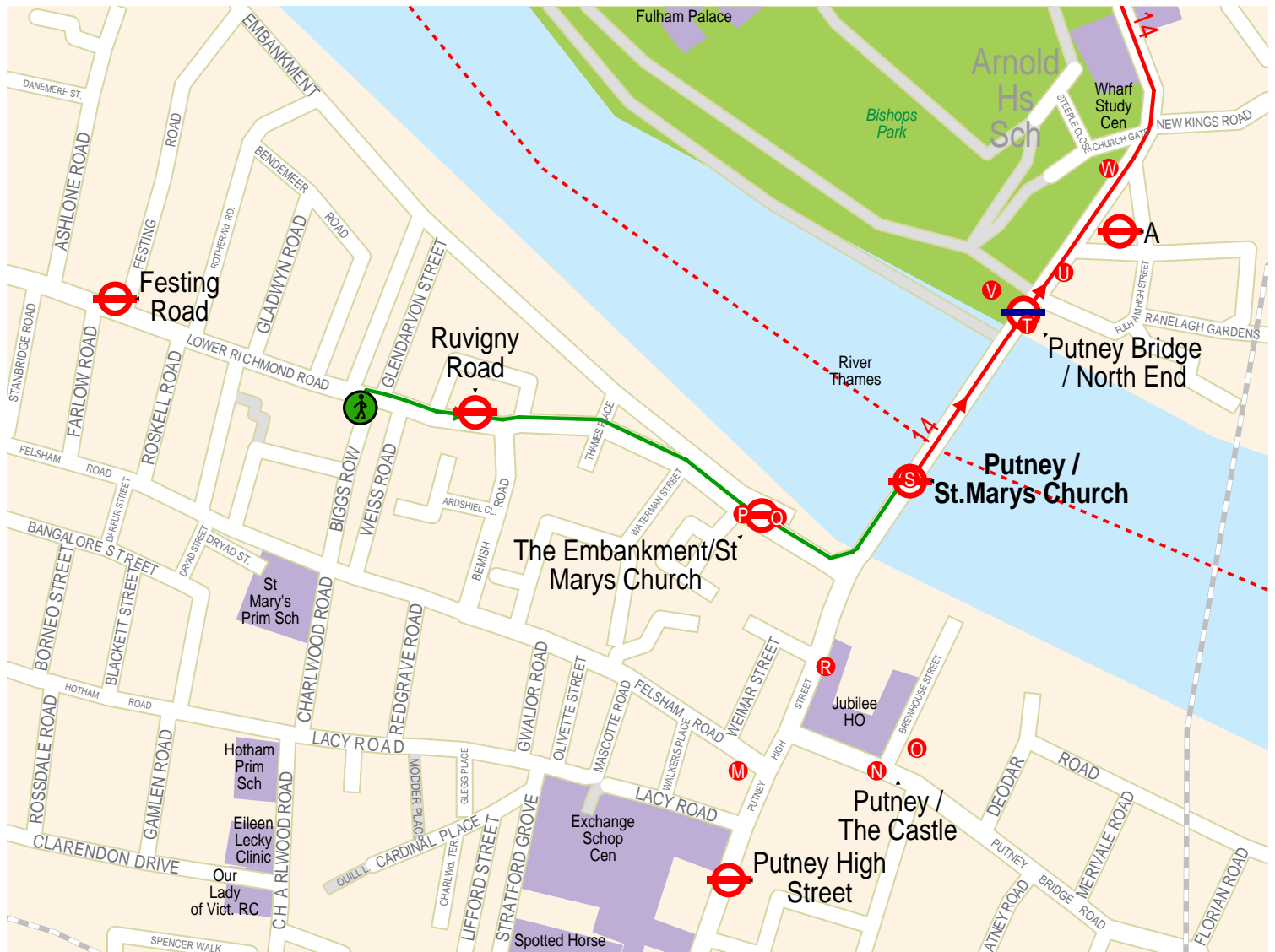


Bus

1.	From Putney.	
2.	Putney High Street	50 m
3.	↙ Turn Left Into	Norroy Road 340 m 390 m
4.	↘ Turn Right Into	Charlwood Road 240 m 0.6 km
5.	↘ Turn Right Into	Hotham Road 10 m 0.6 km
6.	↙ Turn Left Into	Charlwood Road 140 m 0.8 km
7.	↑ Straight Up	Biggs Row 140 m 0.9 km
8.	Arrive at London 93 Lower Richmond Road (SW15).	



Suggested Path from London 93 Lower Richmond Road (SW15) to Putney / St.Marys Church.



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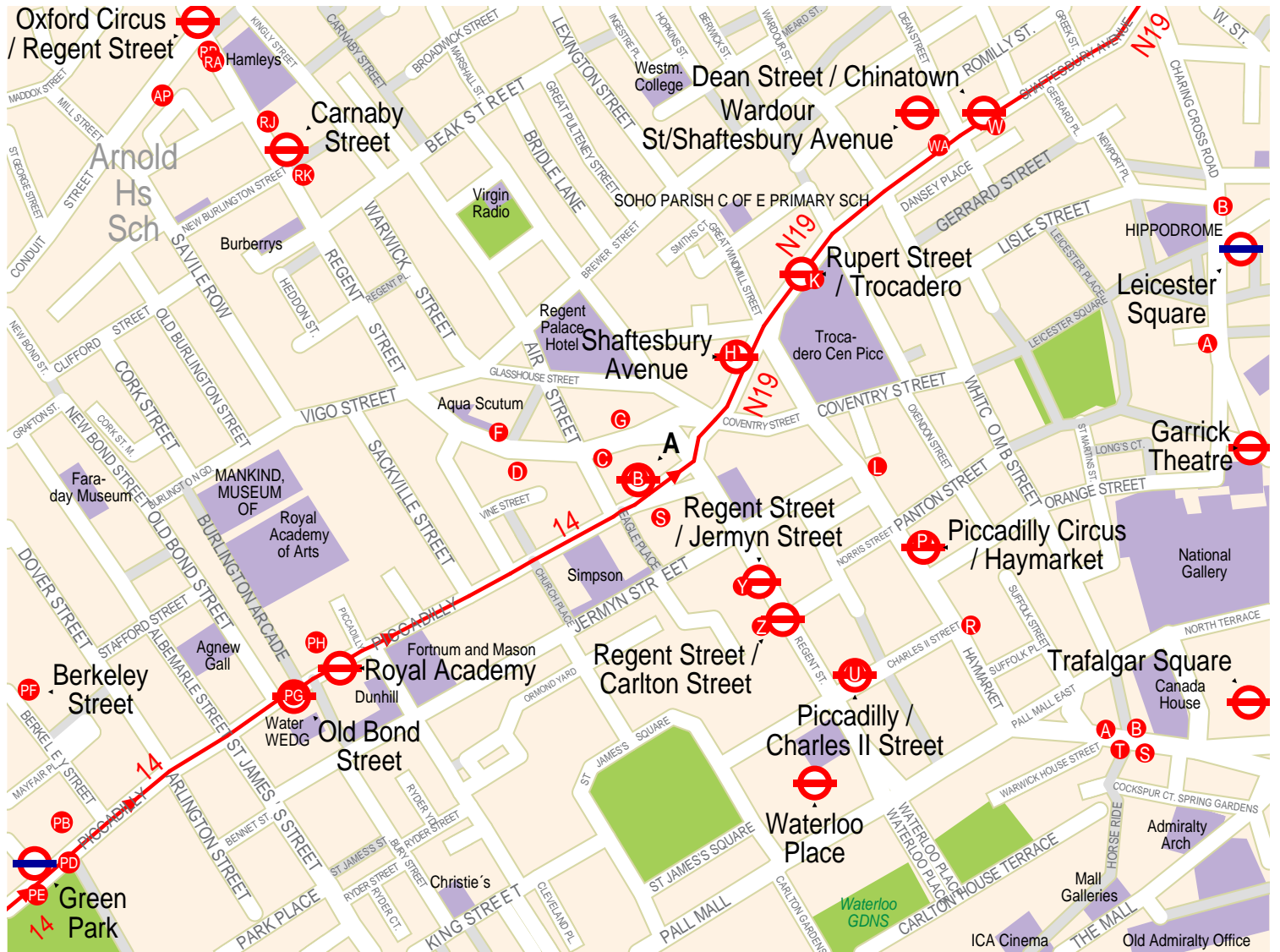
- Walk
- Bus
- Departure with walk
- Underground

A = Putney Bridge Station U

1.	From London 93 Lower Richmond Road (SW15).	
2.	Biggs Row	10 m
3.	Turn Right Into Lower Richmond Road	420 m 430 m
4.	Turn Left Into Putney Bridge Approach	20 m 450 m
5.	Turn Left Into Putney Bridge Approach	80 m 0.5 km
6.	Arrive at Putney / St.Marys Church.	



Area Map: Piccadilly Circus

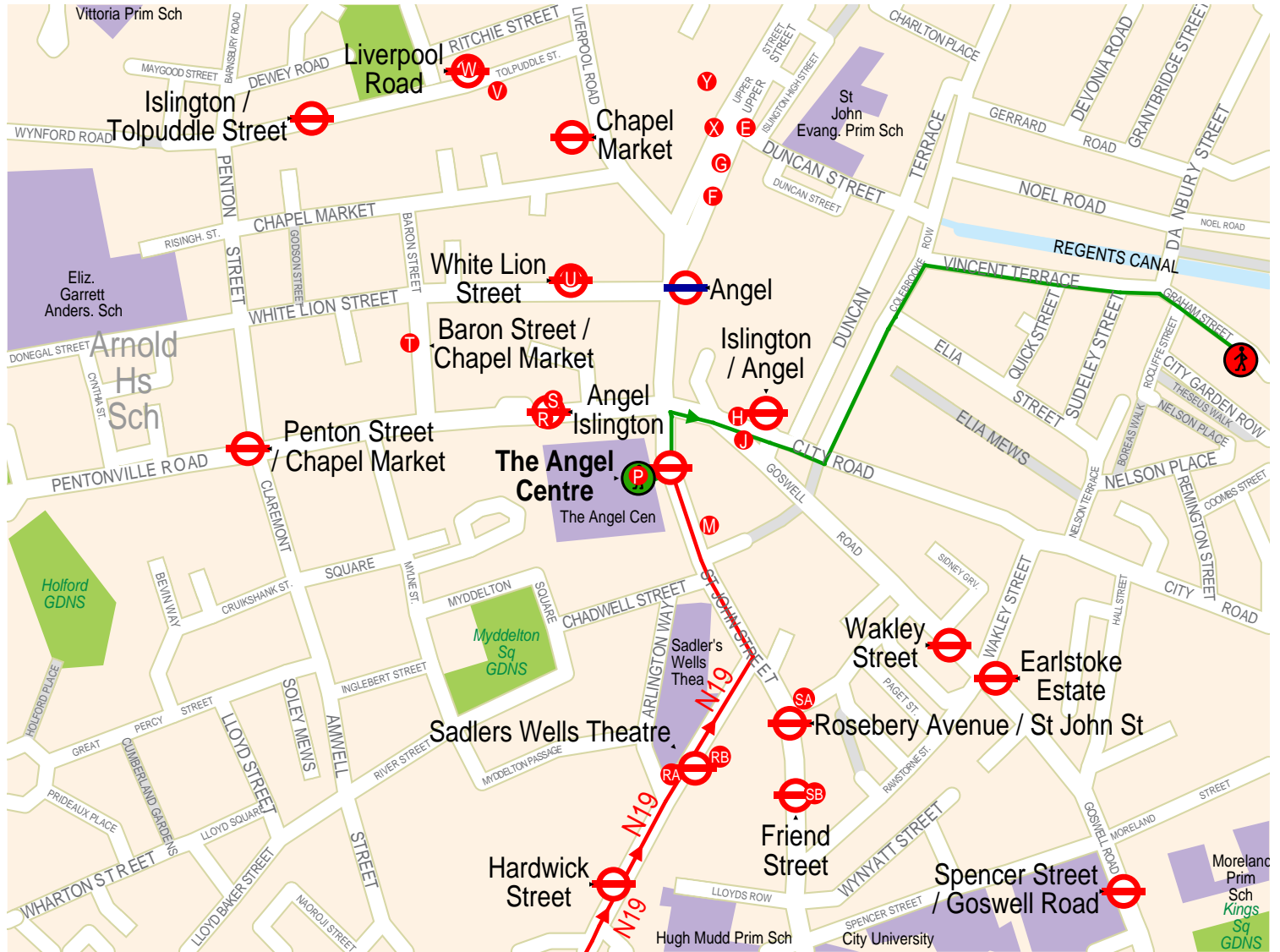


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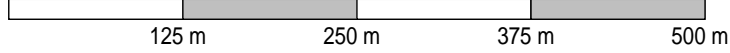
- Bus
 - - - Walk
 - Bus
 - Underground
- A = Piccadilly Circus



Area Map: The Angel Centre



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- Walk
- Bus
- Bus
- Departure with walk
- Arrival with walk
- Underground