ANNEX A

FACT SHEET: POPULATIONQUERY

<u>Introduction</u>

PopulationQuery on OneMap is a free map-based service, allowing users to obtain published statistical data of the Singapore population through detailed visual representations, based on planning areas or subzones.

Currently, data is available for the years 2000, 2010, 2011 and 2012. The service is capable of showcasing datasets such as Age Group, Gender and Dwelling Type. In total, there are 22 datasets available on PopulationQuery, listed below.

S/N	Category
1	Age Group
2	Economic Status
3	Education Attending
4	Ethnic Group
5	Household Size
6	Household Structure
7	Household-Monthly Income from Work
8	Income from Work
9	Language Literate In
10	Marital Status
11	Mode of Transport (School)
12	Mode of Transport (Work)
13	Occupation

14	Qualification Attained
15	Religion
16	Spoken at Home
17	Tenancy
18	Travelling Time (School)
19	Travelling Time (Work)
20	Type of Dwelling (Household)
21	Type of Dwelling (Population)
22	Workforce by Industry

With this, users will be able to easily obtain graphic and visual representations of the demographic landscapes across Singapore.

Using the service

To view demographic data on the map, users can select the dataset and attributes within the dataset that they are interested in and click on the "View Map" button.

Users can also compare datasets by:

(i) By planning area/subzones

(ii) By year

When comparing datasets by planning areas/subzones, users can click on the "View Map" button and then the "Query" button, followed by selecting the planning areas, e.g Ang Mo Kio, Jurong or a subzone within a planning area, e.g Seletar Hills, Kebun Bahru within Ang Mo Kio. Up to five planning areas/subzones can be selected for comparison and the data will be reflected in either a chart or table format.

Users can also compare selected categories within a particular planning area or subzone by year. For instance, if a user wants to know about the population classified according to age group for 2000 and 2010, he will just need to move the sliding bar year markers on the two years, click on the "View Map" button, select the "Query" button and then click on a planning area or subzone to view the data.

Users can overlay services or themes on OneMap when using PopulationQuery. For example, when a user is looking at the household size of Bedok in 2010, he can overlay another service, e.g Property Prices to find out the property prices in Bedok. In this way, he can obtain two different types of information through a single search.

Benefits

PopulationQuery gives the public free and ready access to visual information on demographic and statistical data in Singapore. Many, from students to decision makers will find the service useful. For example, businesses which cater to particular demographic groups will have a better idea of where to set up their businesses. One can also get useful information about an area when buying a house. Likewise, government agencies and non-profit organisations will be better able to allocate limited resources when information is comprehensive and easy to interpret.

Continuous enhancements to data sets and functions will be made to the Population Query so that it will remain a valuable service to the public. APIs are planned to be released in Sep 2013, in which developers can also use the information to develop demographic-related applications on web and mobile platforms.

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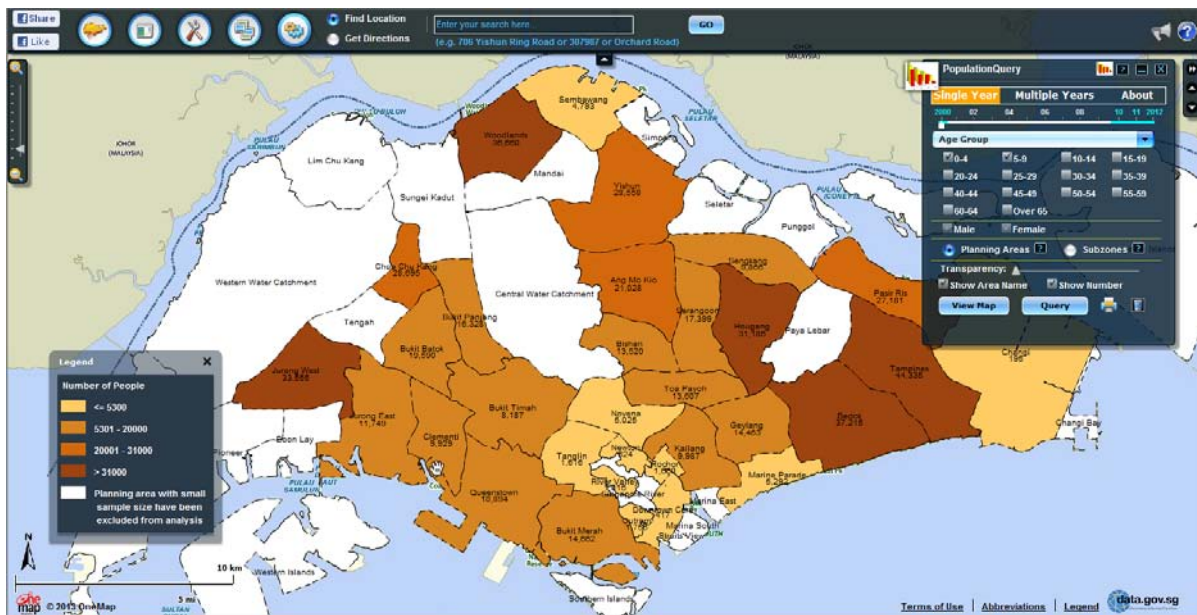
Annex A-1

Fig 1: Display of age group data by planning area on OneMap
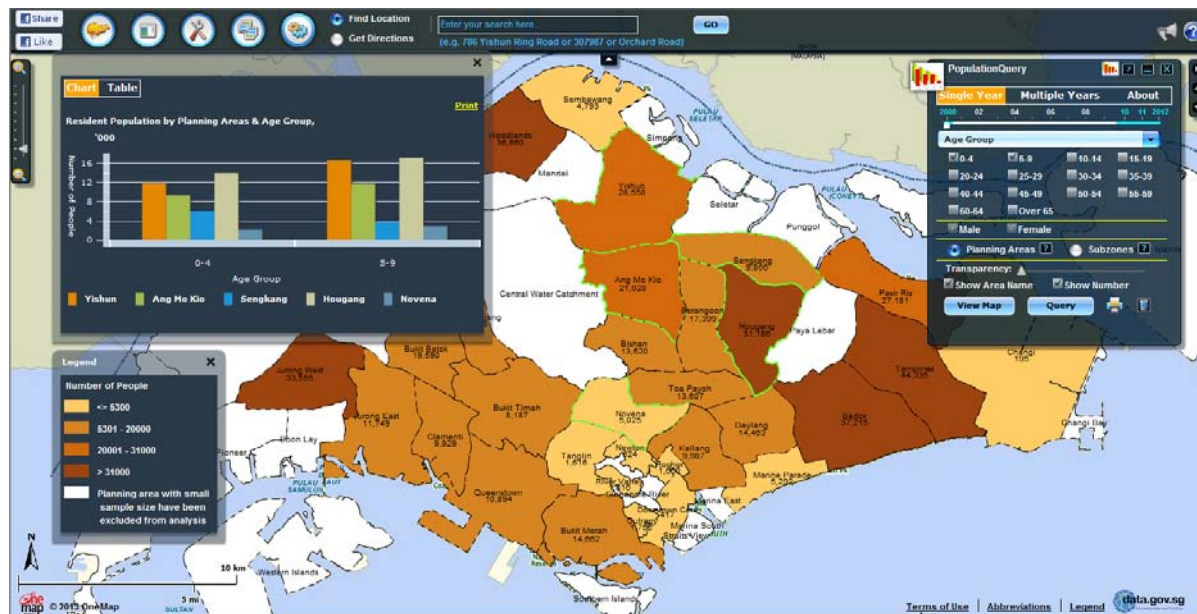

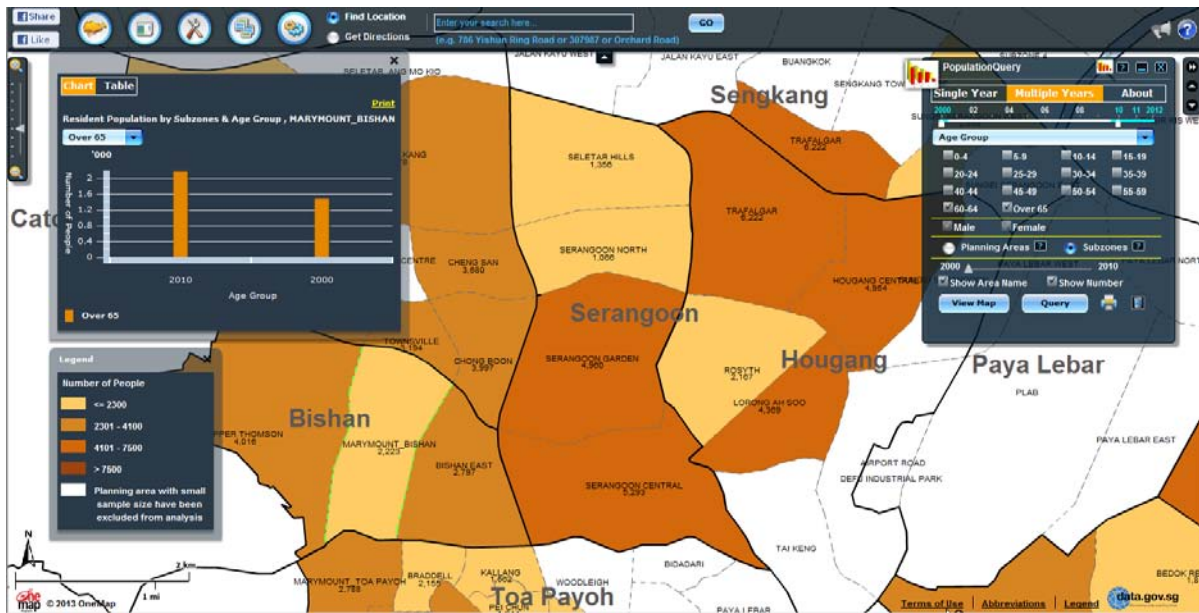Fig 2: Comparison of age group data across four selected planning areas

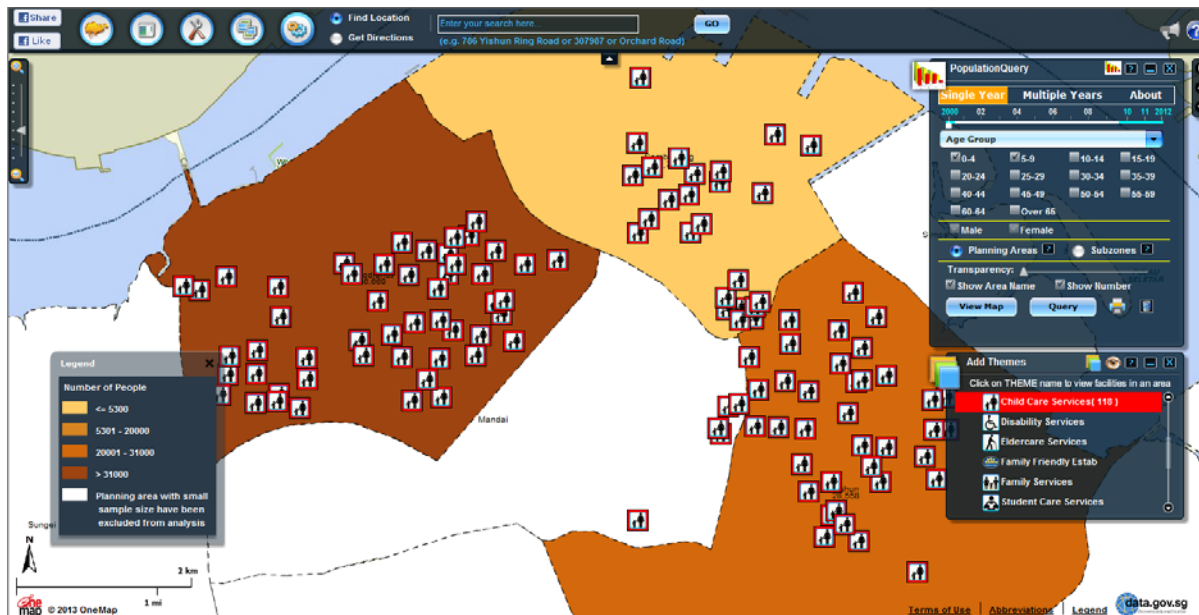Fig 3: Comparison for age group over 65 of Marymount subzone for year 2000 and 2010

Fig 4: Overlaying of Child Care Service theme with PopulationQuery

About OneMap

OneMap is an integrated map system for government agencies to deliver location-based services and information. It is a multi-agency collaboration with many government agencies currently participating and contributing information. It is the first major application of the SG-SPACE initiative which has over 30 participating public agencies coming together and adopting a common map platform to publish thematic information and deliver useful map-based services. Built using Web 2.0 technologies, OneMap allows users to add new information and applications easily and conveniently on their own. There are over 60 layers of thematic information shared by public agencies to-date.

Users of OneMap can search for locations, get driving directions or public transport routing, obtain comprehensive information contributed by government agencies and share location-based information with their friends.

The private sector and the community can make use of the extensive array of Application Programming Interface (APIs) available to access the thematic layers and tools in OneMap to mash up with their own data to create value-added services. A beta set of crowd-sourcing tools is also available for use to facilitate crowd sourcing where OneMap will serve a map for users to tag the locations of crowd-sourced information. With these tools available, businesses and organisations can leverage on OneMap to reach out and gather spatial information from a larger group of people.

OneMap is also the mapping engine for data.gov.sg, the portal for general public and developers to search and access publicly-available data published by the Singapore Government where geospatial data are available in many formats for download.

The newest interactive service, PopulationQuery, is a collaboration between the Department of Statistics and the Singapore Land Authority that enables users to visualise demographic data on a map.

Annex A-2   List of contributing agencies

1	ACRA
2	BCA
3	CPE
4	CPF
5	DOS
6	HDB
7	HLB
8	HPB
9	IDA
10	JTC
11	LTA
12	MINDEF
13	MinLaw
14	MND
15	MOE
16	MOH
17	MSF
18	NAC
19	NEA
20	NHB
21	NLB
22	NParks

23	NYP
24	PA
25	Parliament
26	PUB
27	SLA
28	SPF
29	SPRING
30	SSC
31	STB
32	URA
33	WDA

Annex A-3   List of OneMap services

1	SchoolQuery	MOE
2	LandQuery	SLA
3	Businesses for Families	MSF
4	Season-Parking	URA
5	Where to find Wireless@SG	IDA
6	Water Level Sensors/ CCTVs	PUB
7	Parks "Live" @ SG	NParks
8	Master Plan 2008, Singapore	URA
9	Public Routing	LTA
10	BizMap	SPRING

11	Find My MP	Parliament
12	Property Market Information (iPhone)	URA
13	Property Market Information (iPad)	URA
14	URAMaps	URA
15	PropertyPrices	MND
16	OneMap Singapore (iPhone)	SLA
17	Space2Lease	SPRING
18	Pocket OneMap (iPhone)	NYP
19	NEA Weather@SG	NEA
20	myENV	NEA
21	State Property Information Online (SPIO)	SLA
22	BusRouteExplorer	SLA
23	Housing InfoMap	MND
24	Traffic Smart	LTA
25	MyTransport.sg	LTA
26	Social Service Search	CDC
27	Medical Directory Search	MOH
28	BizQuery	ACRA
29	Directory of Family Services	MSF
30	Traffic Query	LTA
31	Pocket OneMap (Android)	NYP
32	JTC	JTC
33	EnterpriseOne (iPhone)	SPRING
34	Data.gov.sg	IDA

35	Customer Service Portal	JTC
36	Flood Prone Areas and Hotspots	PUB
37	sParks (iPhone)	NParks
38	PopulationQuery	DOS

Annex A-4   List of thematic layers on OneMap

S/N	Theme	Agency		S/N	Theme	Agency
1	After Death Facilities	NEA		32	Hawker Centres	NEA
2	Auditoriums	NAC		33	Green Mark Buildings	BCA
3	Child Care Services	MSF		34	CDCouncils	PA
4	Disability Services	MSF		35	Community Clubs	PA
5	Eldercare Services	MSF		36	Other PA Networks	PA
6	Exhibition Centres	NAC		37	PA Holiday Facilities	PA
7	Family Friendly Estab	MSF		38	Resident Committee	PA
8	Family Services	MSF		39	Water Ventures	PUB
9	Heritage Sites	NHB		40	Friendly Buildings	BCA
10	Hotels	STB		41	HDB Branches	HDB
11	Kindergartens	MOE		42	Breast Screening	HPB
12	Libraries	NLB		43	Cervical Screening	HPB
13	Monuments	NHB		44	Quit Centres	HPB
14	Museums	NHB		45	Streets & Places	NLB
15	NEA Offices	NEA		46	CET Centres	WDA

16	Parks	NParks		47	Constituency Offices	PA
17	Performing Arts	NAC		48	Healthier Dining	HPB
18	Recycling Bins	NEA		49	Skyrise Greenery	NParks
19	Sports Centres	SSC		50	Heritage Trees	NParks
20	Student Care Services	MSF		51	Voluntary Welfare Organisations	MSF
21	Tourist Attractions	STB		52	WDA Service Points	WDA
22	Waste Disposal Sites	NEA		53	IPPT Fitness Conditioning Centres	MINDEF
23	Waste Treatment Sites	NEA		54	IPPT Training Centres	MINDEF
24	Wireless Hotspots	IDA		55	NAPFA Test Venues	MINDEF
25	ABC Water Projects	PUB		56	SAFRA Locations	MINDEF
26	Community Mediation	MinLaw		57	Private Education Institutions	CPE
27	Infocomm Accessibility	IDA		58	Park Connector Loops	NParks
28	Silver Infocomm	IDA		59	CPF Service Centres	CPF
29	Community Use Sites	SLA/ HDB		60	SPF Establishments	SPF
30	Dengue Clusters	NEA		61	Conservation Area Map	URA
31	Funeral Parlours	NEA		62	Healthier Caterers	HPB
				63	PA Headquarters	PA

Annex A-5   List of Applications by Community Users

S/N	Name of Application	Application by
1	Birdwatching Hotspots in Singapore	Nature Society of Singapore
2	SG Cares Search Map	National Volunteer & Philanthropy Centre (NVPC)
4	Cat Community on OneMap	Cat Welfare Society
5	Loo Connect	Restroom Association (Singapore)
6	Birder's Corner	Nature Society of Singapore

Annex A-6   List of Applications by Private Companies

S/N	Name of Application	Application by
1	Business Directory Search	Global Yellow Pages
2	Singapore Live Traffic	Quantum Inventions Pte Ltd
3	Location Intelligence	ShowNearby Pte Ltd
4	Location-based commerce	Surround Networks Pte Ltd
5	Taxi Booking	Comfort Delgro
6	StreetDB	StreetDB.Com Pte Ltd
7	Singapore Expats	SingaporeExpats.com Pte Ltd