

19 June 2012

**Uranium Resources plc ('Uranium Resources' or 'the Company')
Provides Update for its Mtonya Exploration Programme**

Uranium Resources plc, the AIM listed uranium exploration company, is pleased to provide an update on its ongoing drilling programme at its 100%-owned Mtonya project in southwest Tanzania.

Highlights

- Further encouraging intercepts have been obtained in the Company's ongoing wide-spaced scouting drilling at Mtonya, continuing to confirm uranium mineralisation in Tier 1 roll-fronts;
- Four holes have intercepted high-grade mineralisation in Tier 1 roll-fronts, at depths of less than 220 m below surface
- The latest significant intercepts include:
 - 446 ppm eU₃O₈ over 1.2 m at 142.7 m in Hole 081 (Tier 1 mineralisation);
 - 901 ppm eU₃O₈ over 1.0 m at 144.9 m in Hole 081 (Tier 1 mineralisation);
 - 980 ppm eU₃O₈ over 0.9 m at 157.0 m in Hole 090 (Tier 1 mineralisation);
 - 463 ppm eU₃O₈ over 0.9 m at 129.7 m in Hole 092 (Tier 1 mineralisation);
 - 829 ppm U₃O₈ over 1.0 m at 75.5 m in Hole 181 (Tier 1 mineralisation);
 - 670 ppm U₃O₈ over 1.0 m at 168.5 m in Hole 013 (Tier 1 mineralisation).

Uranium Resources Managing Director Alex Gostevskikh said, "The wide-spaced 20,000m drilling programme at Mtonya is progressing well. It is ahead of schedule, under budget and advancing us towards an area on which to focus our resource definition drilling. The new results in Tier 1 include two areas approximately 3 km apart, separated by an area that has not been tested by drilling and remains open to the south and the north. I look forward to updating the market with our further progress in due course."

Update

The Company continues to generate encouraging results from its planned 2012 20,000m drilling exploration programme at Mtonya. To date, 40 wide-spaced diamond drillholes have been completed to a total of approximately 10,400m. Three drill rigs are operating at the property with a fourth rig commencing in mid-August, slightly later than planned due to an increase in manufacturing lead-time.

The Tier 1 drilling continues to generate encouraging results in the roll-fronts that were discovered earlier in the season. These roll-fronts occur at depths of less than 220m. Shallower holes and, consequently, faster drilling generate a large volume of new data which are continuously assessed and integrated into our models to improve the accuracy of drill targeting. The drilling has targeted both

deep mineralisation amenable to in-situ recovery and near-surface mineralisation amenable to conventional mining.

The Company continues using both full sampling and assaying as well as downhole gamma-logging to ensure the reliability and accuracy of drilling data. It is noted that the initial gamma-logging in its current interpretation may significantly underreport uranium grades.

Table 1. Significant intercepts

Hole	Longitude	Latitude	From	To	Length	eU3O8
DH 181 ⁽¹⁾	36.523	-10.544	74.5 m	77.5 m	3.0 m	409 ppm*
including			75.5 m	76.5 m	1.0 m	829 ppm*
DH 013 ⁽¹⁾	36.528	-10.528	165.7 m	169.5 m	2.0 m	380 ppm*
Including			168.5 m	169.5 m	1.0 m	670 ppm*
DH 059 ⁽¹⁾	36.523	-10.549	310.0 m	311.0 m	1.0 m	279 ppm*
DH 019	36.515	-10.548	164.6 m	165.6 m	1.0 m	116 ppm
DH 081	36.528	-10.526	136.4 m	137.3 m	0.9 m	149 ppm
and			140.2 m	142.1 m	1.9 m	238 ppm
and			142.7 m	143.9 m	1.2 m	446 ppm
and			144.4 m	146.8 m	2.4 m	434 ppm
including			144.9 m	145.9 m	1.0 m	901 ppm
DH 082	36.526	-10.531	138.5 m	142.8 m	4.3 m	102 ppm
and			144.9 m	147.2 m	2.3 m	164 ppm
DH 090	36.526	-10.530	122.3 m	124.8 m	2.5 m	141 ppm
and			150.8 m	152.0 m	1.2 m	104 ppm
and			154.3 m	158.2 m	3.9 m	339 ppm
including			157.0 m	157.9 m	0.9 m	980 ppm
DH 092	36.525	-10.531	129.0 m	131.7 m	2.7 m	265 ppm
including			129.7 m	130.6 m	0.9 m	463 ppm
DH 083	36.527	-10.531	0 m	2.2 m	2.2 m	126 ppm

Notes to table:

(1) Figures updates for assay results from previously reported gamma-log data.

* Assays based on core samples analysed by ALS Global (Vancouver).

Only intercepts above 100 Grade Thickness are shown. Grade Thickness is the product of the grade and true thickness of intercepted mineralisation.

About Mtonya

The company's 100%-owned Mtonya project is situated about 60 km south of Nyota, a significant uranium deposit currently developed by Uranium One.

Mtonya is interpreted to be a classic sandstone-hosted roll-front deposit with remarkable similarities to the deposits of Chu-Sarysu, Kazakhstan and Wyoming, USA.

To date, Mtonya has demonstrated continuous uranium mineralisation in stacked roll-fronts in Triassic arkoses, which is expected to be amenable to in-situ recovery.

The Company's ongoing exploration programme is expected to generate sufficient data to delineate a maiden resource at Mtonya.

Assaying and QA/QC

The Company is using a Mount Sopris' Matrix gamma-logging system to ensure proper instrument calibration and establish the framework for disequilibrium adjustments. The disequilibrium factor (DEF) is used to adjust the grade obtained from measurements by a gamma-ray probe (eU3O8) and to provide rapid estimates for the uranium content in the rock.

In addition to gamma-ray downhole surveys, Uranium Resources plc uses the most reliable methods of quantifying uranium mineralisation by sampling half-core and subjecting the samples to the ME-MS41 analysis at the ALS Global laboratory in Vancouver, BC, Canada.

In accordance with industry standards, the assayed samples include certified standards and duplicates. Analytical results are routinely subjected to statistical review.

Competent Person's Declaration

The information in this statement that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information reviewed by Alex Gostevskikh, Managing Director of Uranium Resources plc, who is a Member of the Mining and Metallurgical Society of America. Mr. Gostevskikh has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' and as a qualified person under the AIM Note for Mining, Oil and Gas Companies. Mr. Gostevskikh consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

****ENDS****

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About Uranium Resources

Uranium Resources plc is an AIM listed exploration and development company. It is the Company's strategy to advance its existing assets and strengthen its portfolio via opportunistic acquisition. Uranium Resources has uranium licences in the highly prospective Karoo Basins in Southern Tanzania.