

# Resouro Strategic Metals Inc. 35km and 18km Step-out Drilling Indicates Consistency of High Grade and Size Potential

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## Tiros Central Block Resource Definition Drilling continues to deliver consistent High-Grade Results

Toronto, April 1, 2024 - [Resouro Strategic Metals Inc.](#) (TSXV:RSM) (OTC:RSGOF) (FSE :BU9) ("Resouro" or the "Company") is pleased to provide an update on activities at the Tiros Rare Earths and Titanium project in Brazil ("Tiros Project" or "Project").

Resouro has received additional assay results from Resource Definition Drilling and Regional Exploration Drilling from the 450 km<sup>2</sup> Tiros Project. The resource target at Tiros is the Cabacete Formation that is at surface or near surface, flat lying layer of transported volcanoclastic material extends over 71 km in length. Resouro has acquired what we believe to be all of the potentially economically interesting parts of the Capacete Formation that are available based on access to an exploration database compiled over the past 14 years.

### Exploration

Resouro has focused on Resource Definition Drilling on Tiros central mineral rights section of the Tiros Project. This represents 9% of the 450 km<sup>2</sup> project. The latest drilling results together with the announcements of March 13, 2024 and January 18, 2024 reaffirm the consistency of grades and orebody thickness of the deposit previously found.

The following exploration holes were drilled at the São Gotardo and Tiros North blocks, showing that the mineralized thickness and TiO<sub>2</sub> and TREO grades are similar to the ones observed at Tiros Central. Selected intervals from the results received from those holes are depicted in the table below.

Hole ID	TYPE	FROM	TO	Thickness	TiO <sub>2</sub>	TREO ppm	NdPr ppm	Target
ACTIR-39	AC	6	16	10.0	9.34	4,867	1,432	Tiros North
ACTIR-40	AC	47	51	4.0	14.94	6,612	980	Tiros North
ACTIR-41	AC	6	12	6.0	18.02	7,565	1,616	Tiros North
Includes	AC	7	12	5.0	18.80	8,380	1,889	Tiros North
ACTIR-42	AC	17	35	18.0	18.45	6,417	1,149	Tiros North
Includes	AC	17	24	7.0	19.27	7,702	1,271	Tiros North
ACTIR-43	AC	47	53	6.0	22.28	9,713	2,042	Tiros North
ACTIR-46	AC	41	53	12.0	14.42	4,332	1,007	São Gotardo
ACTIR-48	AC	24	41	17.0	11.60	4,746	1,065	São Gotardo
ACTIR-50	AC	13	32	19.0	11.55	3,443	658	São Gotardo

Table ?1 Recent Assay Results from the Tiros Central block exploration program showing globally significant

grades and orebody thickness

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These holes represent a step out of 18km to the North and 35 km to the South of the Central Block, confirming that the Capacete Formation is highly consistent in terms of High TiO<sub>2</sub> and High TREO grades over a strike of more than 60 km. Resouro is yet to receive assay results from drilling on the Campo Alto block, but geophysics and surface mapping indicate similar geology. Recent Assay results

from drilling at the Tiros Central Block continue to demonstrate elevated near surface TiO<sub>2</sub> and TREO grades over consistently thick intercepts. (See Table Above)

Commenting on the latest drilling and assay results and exploration update for the Tiros Project, CEO and President of Resouro, Chris Eager, commented:

"The continuously high levels of TREO, NdPr and TiO<sub>2</sub> grades reported at the Tiros Central block are highly encouraging. These results and further samples awaiting lab analysis will help us produce a geological resource model and estimate a Maiden JORC Resource for Tiros Central. Early results from Sao Gotardo and the Tiros North blocks are consistent with results from the Tiros Central Block, supporting a seemingly homogeneous ore body over a least a 53 km Strike. This drilling further confirms the high grade and massive size potential of Tiros project as a whole."

Quality Assurance Quality Control

A QA/QC program is in place for every batch of samples sent to the laboratory including blanks, different types of standards, for REE and titanium, and field duplicates. Further, a number of samples in each batch are later chosen for testing in a secondary laboratory and in the primary laboratory, as pulp or coarse duplicates.

Qualified Person

The technical content of this news release has been reviewed and approved by Rodrigo Mello B.Sc. Geology, FAUSIMM and a qualified person as defined by National Instrument 43-101. Mr Mello has reviewed and verified the drilling and assay data included in this announcement.

On behalf of the Board of Directors,  
Chris Eager, President & CEO  
[Resouro Strategic Metals Inc.](#)

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Forward-Looking Information

This news release contains certain "forward-looking information" within the meaning of applicable securities law. Forward-looking information is frequently characterized by words such as "plan", "expect", "project", "intend", "believe", "anticipate", "estimate" and other similar words, or statements that certain events or conditions "may" or "will" occur. In particular, this news release includes forward-looking information regarding exploration and drilling activities, the potential for Tiros to be an industry leading project and the Company's plans relating to metallurgical testwork and further technical studies. Although we believe that the expectations reflected in the forward-looking information are reasonable, there can be no assurance that such expectations will prove to be correct. We cannot guarantee future results, performance or achievements. Consequently, there is no representation that the actual results achieved will be the same, in whole or in part, as those set out in the forward-looking information.

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