

## MIKAS and NIKAS springs photo gallery

# SOUTH AMERICA

**Note:** *The classification of springs is preliminary, the final lists will be established at the end of project. The first group of evaluated countries and their springs are presented in alphabetic order (data received during the year 2023), the rest is in chronological order.*

**Bolivia**



**MIKAS- Chiflonqqa**



*View from the distance of Chiflonqqa spring waterfall on the left side of the Toro Toro canyon*



*Close up view of the Chiflonqqa spring waterfall*

**Brazil**



**MIKAS - Baía Bonita**



*View of Baía Bonita Spring. From: [www.aquarionatural.com.br](http://www.aquarionatural.com.br)*

**MIKAS - João Baio**



*View of João Baio spring (Photo by Alexandre Lobo)*





*Cycle of discharge variation few meters downstream from the spring. Low discharge (Photo by Alexandre Lobo)*

### **MIKAS - Pratinha**



*Aerial view of Pratinha Spring (Photo by Alexandre Lobo)*





*View from the interior of the cave where the Pratinha spring issues (Photo by Alexandre Lobo)*



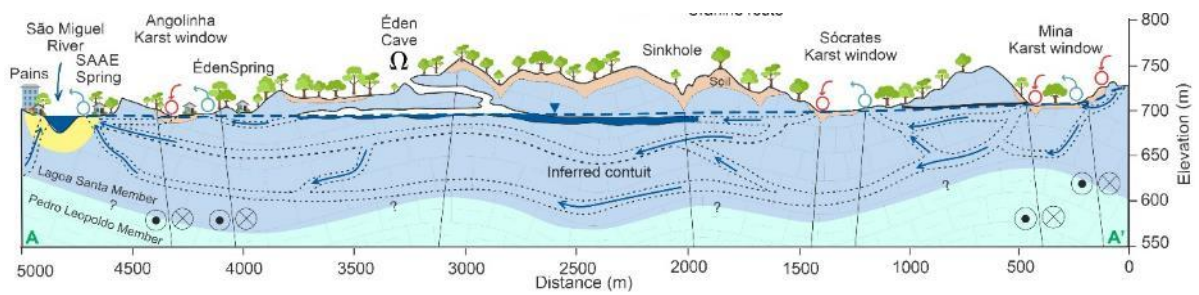
*View of the lake in front of the spring with the cave in the background. This lake is used as a water park (Photo by Alexandre Lobo)*



## NIKAS - Éden



Top view of the karst spring highlighting the dimensions of the channel (Photo by Gabriel Lourenço)



Schematic profile of Éden spring and catchment area. Source: Assunção et al. (2023).

## NIKAS - Lagoa do Japonês



Aerial view of the Lagoa do Japonês spring.

Source:

<https://www.t1noticias.com.br/cidades/dificuldade-no-acesso-representa-perigo-e-pode-afastar-turistas-da-lagoa-do-japones/96172/>





*Lagoa do Japonês spring issues from a cave in the limestone cliff. Source: <https://vaipassear.com/lagoa-do-japones/>*

### **NIKAS - Gruna da Mamona**



*View of the cave associated with Gruna da Mamona spring*

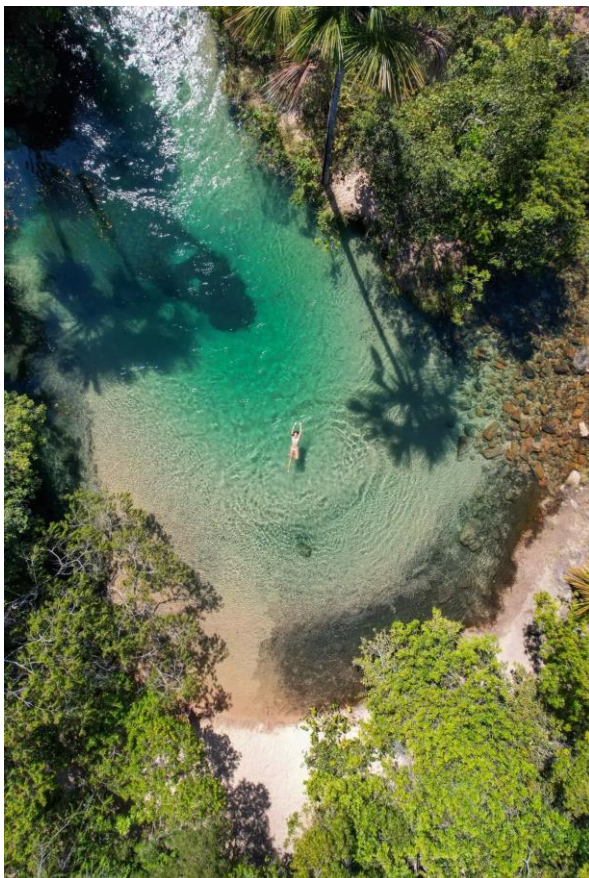
## NIKAS - Poço Azul



*View of Poço Azul spring.  
From:*

<https://www.facebook.com/BH.AVALIACOES/photos/a.481050048580558/720474414638119/?type=3>

## NIKAS - Rio Azuis



*Aerial view of the Rio Azuis spring. Source:*

<https://www.aventuraspelonossomundo.com.br/aurora-do-tocantins-serras-gerais/>



## NIKAS - Roncador spring



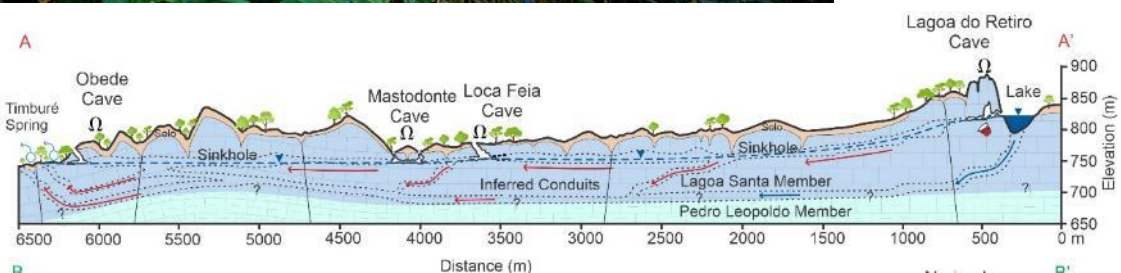
*Roncador Spring and the entrance to Santana Cave. Source:*

<https://www.loucosporviagem.com/destinos-nacionais/roteiro-no-petar-nucleo-santana-post-2/>

## NIKAS - Timburé



*Lateral view of the karst spring highlighting the dimensions of the channel that make it attractive for recreational use by the local population (Photo by Gabriel Lourenço)*



*Cross-section through catchment area. Source: Assunção et al. (2023).*



Colombia



### MIKAS - Manantial de Cañaverales



Crystal clear waters of Manantial de Cañaverales. Retrieved from, <https://semanariovoz.com/la-quajira-canaverales-manantial-amenazado-muerte/>

### MIKAS - Ventanas de Tisquizoque



*Ventanas de Tisquizoque three-tiered waterfall (Photo by Marianela Vargas)*





*View from the interior of the Ventanas de Tisquizoque cave (Photo by Marianela Vargas)*



*Panoramic view and outflow of La Venta Creek in Ventanas de Tisquizoque (Photo by Marianela Vargas)*

Ecuador



**MIKAS - Jumandi cave**



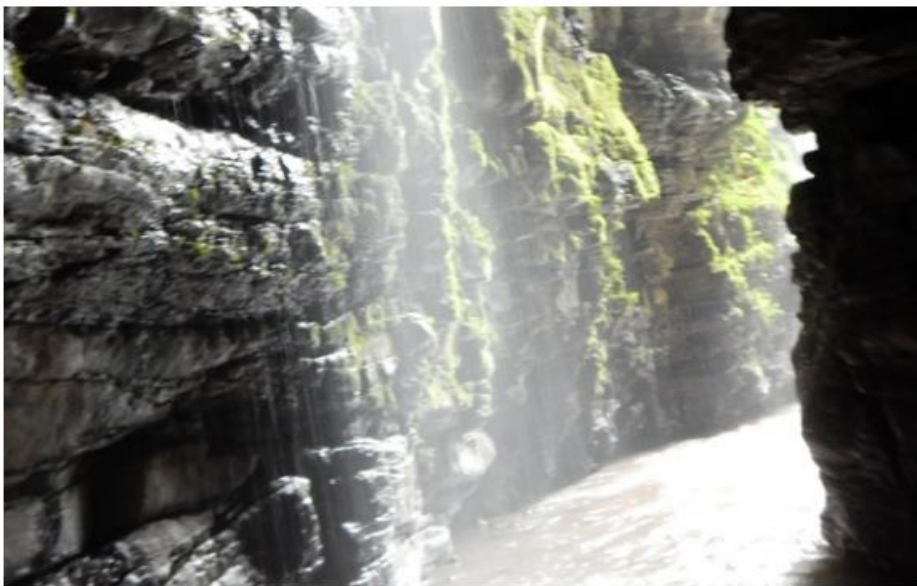
*Sinkhole present at Cotundo Petroglyphs geosite*



*Map of entrance and speleotems inside the Jumandy cave*



**NIKAS - Rio Cacapishco (Gruta de los Tayos)**



*Photos of the Gruta de los Tayos and Cacapishco River (Guía Espeleológica de la Provincia Napo).  
From Sánchez Cortez (2017)*