

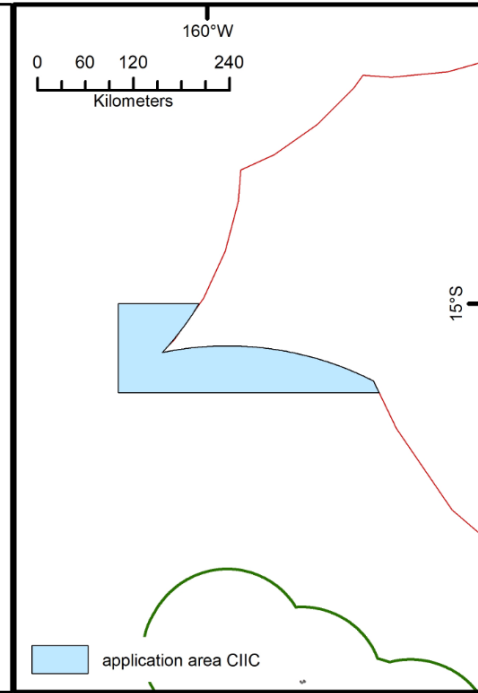
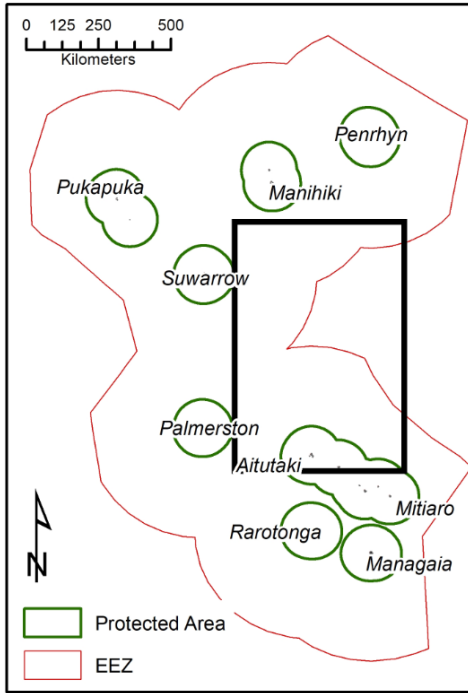
# Te Kamupani CIIC Seabed Resources Limited

## 20/21 Patianga no tetai rāitini ranga mīnera takere moana

Akako'ū'anga poto ki te katoatoa, tataanga 1

Tuanga o te patianga	
Reinga no te au angaanga te ka raveia	Ranga'anga
Ingoa tangata/kamupani	CIIC Seabed Resources Limited (CIIC-SR)
Ingoa Metua o te Kamupani	Global Sea Mineral Resources NV (operator), Cook Islands Investment Corporation and Global Sea Mineral Resources Cook Islands
Oire e te Ipukarea no reira mai.	Zwijndrecht Belgium, Rarotonga, Kuki Airani
Te au angaanga tei raveia	Ko te DEME e rōta'iana kāpiti teia ki rotopū i te Cook Islands Investment Corporation (CIIC) (e tuanga mei roto mai i te kavamani) e te Mekameka minera moana o te Kuki Airani nei tei akatereia e te Global Sea Mineral Resources NV (GSR) e tuanga iti no roto DEME i Belgium. I te mataiti 2019 kua akaoti te CIIC-SR i te kimikimianga ki roto i te tuanga moana o te Kuki Airani no te ko'i i tetai au akaraanga no te kimikimi 'ō'ōnu atu ki roto. Ko te kimikimianga mua teia i raveia ki roto i te tai moana o te Kuki Airani nei (CI EEZ) i roto i te tai ngauru mataiti. Ko te CIIC e te GSR no roto mai raua i te Clarion-Clipperton Zone (CCZ), e tae ua mai ki teia rā, kua rave ana raua e ono au kimikimianga ki roto i te CCZ no te akara matatio ki roto i te tuitui moana, mate akara katoa atu ki te tū o te aorangi e te tāmata i te tēkinoroti no te ko'i i te tuitui moana tei 'anga'ia e te GSR.
Tuanga ngā'i e patia nei	
Katoatoa o te ngai e te numero porōka e patia nei	19,479km <sup>2</sup> 262 porōka
Te tuatau o te raitini tei patia	5 mataiti

Te māpu o te tuanga e kimikimiia nei



# 1. Te Parani o te angaanga Kimikimianga

Ko te akakoroanga maata o te Parani kimikimi 'ō'onu koia oki ko te 'anga i tetai kura ranga te ka akamouia ki runga i te koianga e te atuianga i te manako akakotinga tei akapiriia ki te akanooanga, te turanga o te moana e te turanga natura i raro ake i teia patiangā. Ka tauturu te au angaanga katoatoa i te Oroanga e aruaruia nei koia ko te:

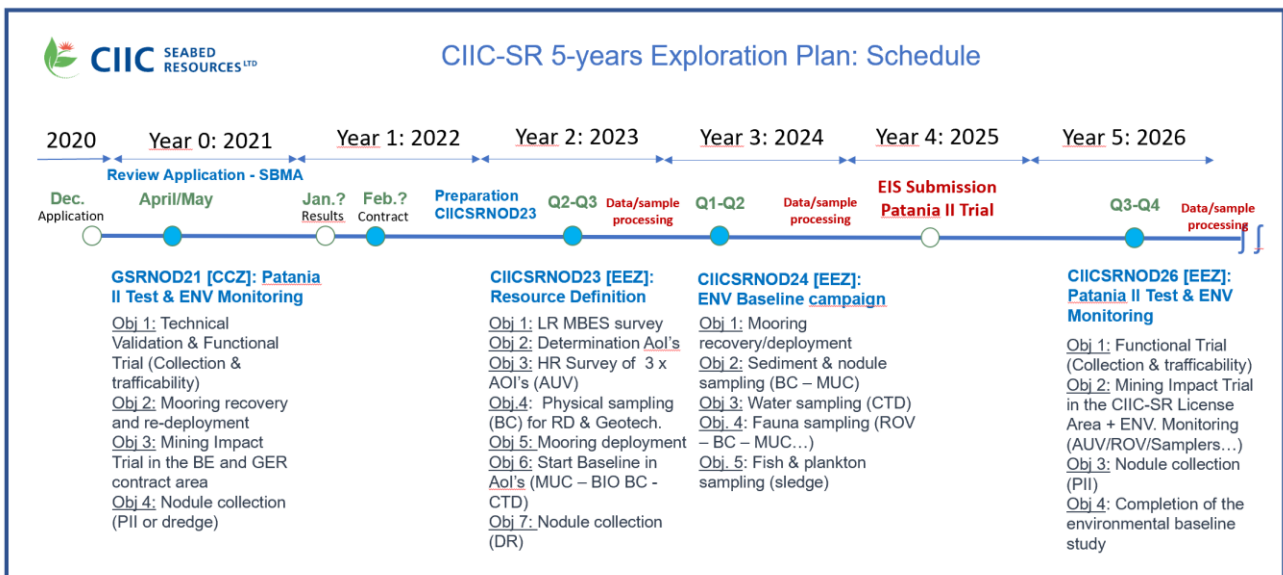
- 'Akatu'a'anga'anga, akamārama'anga e te māpu'anga i te tu'anga pākira e te 'ō'onu o te moana
- Te 'akakou'anga i te au apinga angaanga a te PMN e pera,
- Te vaitoanga e te akaraanga i te manamanata tā te kerī moana ka akatupu ki raro i te ao moana e te au ravenga no te akaiti mai i te reira. (āru i te papaanga akaitianga no te kōpae kē, te akaiti, te akonokono, e te 'akapārani)

Ko te kimikimianga rima mataiti, kua akatuangaia te reira ki roto i tetai au tuanga puapinga e toru, e ko teia au tuanga angaanga nei ka atui te reira ki te tuanga o mua ake.

Ka akapāpu mai teia i te parani tei akatakaia e tei akapapa meitakiia te ka atui mai i te au kite karape o te tuanga te ka āru mai.

Ko te Taka'inga 1 i roto i nga taka'inga e 3, ka akamarama mai te reira i te tango kotinga e te turanga teitei o te aorangi, ma te akatinamou ki runga i te au apinga angaanga e te apianga no te tino moana. Kua akamātūtū'ia teia i roto i nga tere kimikimianga mua e te rua, e ka tauturu katoa a ia i te takaianga 2 na roto i te tango akatuangaanga e te taka'inga 3 na roto i te ikianga e te tāmataanga i te tēkinoroti tau no te kerī moana. I roto i te taka'inga 2 e te 3 ko te au tuanga o te kimikimianga ka ko'i ia mai tetai au manako no te akamātūtū i te tango akakotinga e tetai au koikoiana ei turu i te apianga tāieni. Ka atui atu teia porokarāmu ki roto i te 'anga'anga i tetai au parāni tēkinoroti e te tuanga akameitaki e te mārāma ki roto i te au tamanakoanga i te au manamanata aorangi e pera te au ravenga tau no te akaiti i te reira, ma te āru i te papaanga akaiti manamanata i tā'iku'ia ki runga ake.

Te Porokarāmu rima mataiti a te CIIC-SR, kua tangoia te reira ki runga i ngā kimikimianga e toru te ka raveia ki roto i te tuanga moana o te Kuki Airani no te mataiti 2023,2024 e te 2026:



## 2. Porokarāmu Akatereanga Aorangi

Ko teia te karonga aruaru'ia a te porokarāmu akatereanga aorangi no te tuanga kimikimi matatio:

1. Te akamana e te taangaanga i te porokaramu tei tāmanako'ia no te tango kimi kite 'ō te aorangi.
2. Vaitoanga aorangi e te akatereanga i te au manamanata tā te angaanga kimikimi matatio ka akatupu ki te ao moana.

### Te tango kimi kite o te aorangi. Environmental Baseline Studies

Ko te tango te ka kimiia, e te akarakaanga i te turanga apii te ngā tuanga puapinga ki roto i te angaanga kimikimi a te CIIC-SR. Ka akara e ka akakena te tango akakotinga i tetai au apii taieni te ka riro i te akamaata atu i te mārama e te au koikoianga manako no tetai roa'anga tuata e kia kite katoa i te au tuanga puapinga o te aorangi i mua ake ka rave akaouia ai tetai angaanga. Ko te ara kaveinga ta te CIIC-SR i tamanako no te taangaanga i roto i te 5 mataiti o te kimikimi oonu, kua tango'ia te reira ki runga i te apii tei tamanakoia mai e te Runanga Takere Moana.

Ka atuiia teia au tuanga apii ki roto i te au tuanga ranga.

Vaitoanga i te tū o tetai kemikara assessment	Vaitoanga i te ao moana	Vaitoanga i te manu ora o te moana
<p><b>Te tua tāpapa i roto i te toka.</b></p> <ul style="list-style-type: none"> <li>- te akanooanga o te apinga ora ki roto i tetai tuanga enua.</li> <li>- Māpua'anga.</li> <li>- Ā raro ake i te papa moana.</li> <li>- Te au tū toka, te apiianga mīnera, te apiianga kēmikara tuketuke.</li> <li>- Petrology, Mineralogy, and geochemistry</li> </ul> <p><b>Te au tuanga o te paru moana Sediment Characteristics</b></p> <ul style="list-style-type: none"> <li>- Te tu o te au apinga i roto i te paru moana.</li> <li>- Akameitakianga i te one.</li> <li>- Te viviki o te akapapaanga i te paru moana.</li> </ul>	<p><b>Te tū natura o te moana</b></p> <ul style="list-style-type: none"> <li>- Te au moana (te keanga e te toto'a'anga)</li> <li>- Te akaraanga i te tūranga enua</li> <li>- Te mā o te tai</li> <li>- Te tū o te ata 'ākaraia.</li> </ul> <p><b>Te au kemikara o te moana Chemical oceanography</b></p> <ul style="list-style-type: none"> <li>- Tūranga o te tai 'ō'ōnu.</li> <li>- Te turanga o te tuanga tai moana.</li> </ul>	<p><b>Te au manu ora ki raro i te papa moana</b></p> <ul style="list-style-type: none"> <li>- Te au manu mamaata</li> <li>- Te au manu e noo ana ki roto i te one e te vari.</li> <li>- Te au manumanu rikiriki e noo ana ki roto i te tai e te vai.</li> <li>- Te au manumanu kino/manumanu maki.</li> <li>- Te au rakau ora.</li> <li>- Te au ika e noo ana i te ngai 'ō'ōnu o te moana.</li> </ul> <p><b>Pelagic and Surface community</b></p> <ul style="list-style-type: none"> <li>- Kiriātai.</li> <li>- A rotopū i te moana. Midwater</li> <li>- Te takere moana.</li> <li>- Te au animara i roto i te ao moana, manu</li> </ul>

\*note: list is not exhaustive

### Te au manamanata aorangi e te au ravenga pāruru.

Ko te akakoroanga maata o teia kimikimianga koia ko te ko'iana i te numero akapapu mate kore e tamanamanata i te Aorangi. Kua akara mamao te CIIC –SR i te au manamanata te ka tupu mai no roto i teia tuanga angaanga – te ka āru i te mataara tei taangaangaia e te au tangata kite pakari i roto i te turanga o te moana, e te kimi katoa i tetai au ravenga pāruru.

Matini kimikimi oonu	Te manamanata Aorangi	Paruruanga manamanata
Matini ranga.(mori)	Ka riro te mori i te rotai mai i te manu , te ika, te mangō e tetai au manu e te manumanu ora ki roto i te ao moana.	Ka arapaki teia i te tuanga angaanga pō, ei pāruru i te au apinga ora, ka inangaroia te aronga angaanga kia akaiti i te mārama o te mōri kia tau ki te turanga angaanga tei anoanoia.

<b>Matini kimikimi oonu</b>	<b>Te manamanata Aorangi</b>	<b>Paruruanga manamanata</b>
Matini ranga (turituri e te keukeu)	Ka riro te matini moana i te tau i te tū o te au animara kiriātai.(i te rotai mai me kare i te akaatea kē ia ratou.	Te tūpoto o te tuatau kimikimianga, ka akaiti mai te reira i te manamanata ka tupu.
Matini akarongo	Kare e maata te turituri, kare e tamanamanata ma'ata'ia te aorangi.	Akameitaki i te parani i'oanga kia kore e roa te tuatau angaanga ki te ngai okotai. Akamataanga marū no te akakite i tetai au manu te ka noo waitata ki te matini angaanga.
Keri moana( paru moana)	Akaateaanga i te paru moana.	Kiriti mai i tei tau no te akarakara matatio ma te taangaanga meitaki i te reira. Akara matatio i raro ake i te 0.01km me kare kia rauka te EIA/EIS.
Pia kerī moana	Kare e tamanamanata maata i te aorangi.	Kiriti mai i tei tau no te akarakara matatio ma te taangaanga meitaki i te reira.(rave putuputu i te kimikimianga kia pa'una te taime)
Matini nenei	Iti ua te manamanata ki te moana	Akaiti mai i te taime i akapouia ki runga i tetai ngai.
Tūtau moana	Iti ua te manamanata ki te ao moana, ko te ngai ua ka tukuia te tūtau o te poito moana ki raro i te papa moana e te au matini te ka taangaangaia ki roto i te reira tuangā tai.	Auraka e tuku i te tūtau moana ki raro i tetai au ngai puapinga.
Nenei tāora.	Iti ua te manamanatā,ko te ngai ua tei reira te nenei kare e maata atu i te 2 mita te atea e te roaroa.	Auraka e tuku i te tūtau moana ki raro i tetai au ngai puapinga.
Kiriti mate akarakara matatio i te tai e te tataanga i tei rauka mai.	Kare e 'arapaki i te papa moana, e tuatau poto ua tona, te niuniu e te au apinga angaanga ki roto i te tuanga tai	Kare
ROV	Iti ua, ka noo ua ki runga i te 'akaātea'anga o tetai au animara.	Kiriti mai i tei tau no te akarakara matatio ma te taangaanga meitaki i te reira.(rave putuputu i te kimikimianga kia pa'una te taime).

### 3. Te Puapinga ki te Kuki Airani

Ko te pirianga kimi puapinga ki rotopū i te GSR-CI e te CIIC o te Kuki Airani nei, kua tangoia te reira ki runga i te 'akatikatika'anga tau, no te akakoronga kia riro ei akatere i teia tuanga i roto nei i te Kuki Airani na roto i te tā'anga'anga i te au rāvenga tau, te au tēkinoroti moana e te raveanga i te au angaanga. Kua tango katoaia teia pirianga ki runga 'ōronga'anga i tetai au tikaanga akapūapinga no te iti tangata Kuki Airani na roto i te ngai angaanga e te terēni'anga. Kua 'anga katoaia tetai au Kura Kaveinga e te CIIC-SR:

- Ka rave i te angaanga no te ipukarea Kuki Airani, te aorangi e tona iti tangata, ma te aru i te turanga tiratiratu, te akamoeau, te tuatua tika e te tu mā'ora'ora.
- Raveanga i te angaanga na roto i te tū kauraro i te aorangi e te tangata, ma te angaanga kapiti atu ki tetai au tuanga apii teitei e tetai au tangata kite rongonui.

- Taangaanga i te au tēkinoroti tau, ma te atui mai te au matini akarongo e te 'anga i tetai au matini koi tuitui moana tei tāpekaia e tetai niuniu e 5 kiro mita ki runga i tetai pai ki runga i te kiriātai.
- Akapouanga moni, terēnianga e te akamātūtū'anga i te au tangata angaanga Kuki Airani. Ka tautā pakari te CIIC-SR i te akamātūtū i te turanga angaanga o te Kuki Airani.( i roto tikai i te tamariki apii e te au tamariki angaanga 'ōu)
- Te puapinga no tetai tuātau roa. Te akatinamou nei teia putuputuanga ki runga i te puapinga ka rauka mai no tetai tuātau roa, no te au tangata tei terēni'ia, ei tauturu i te oraanga, e no te akapuapinga i te tūranga o te Kuki Airani.

Te parani Kimi Oonu e te Aorangi		
Mataiti 1	Teateamamaoanga i te kimianga moana e te au apii Taieni.	\$ 0.3M
Mataiti 2	Te tere Kimikimianga Mua CIICSRNOD23 (apinga angaanga e te kena apiianga) + Apii teitei atu	\$ 15M
Mataiti 3	Te rua o te tere Kimikimianga CIICSRNOD24 (kena apiianga aorangi) + Apii teitei atu	\$ 15.8M
Mataiti 4	Apii no te papa atui uira e te rūnanga tāieni.	\$ 3.9M
Mataiti 5	Te toru o tere tāmata i te pi'a koi tuitui moana e te pa'ī PATANIA II e te au apinga angaanga	\$ 20.5M
<b>Katoatoa (NZD millions):</b>		<b>\$ 55.4M</b>

Te anoano nei te CIIC-SR i te akakite atu e ko te parāni o te tuātau kimikimianga 'ō'ōnu ki roto i te rima mataiti e te au akapouanga te ka akapouia ka irinaki te reia ki runga i teia au tuanga i raro nei: CIIC-SR wishes to emphasize that it considers the plan of work for this five-year exploration period and the projected concomitant investment to be contingent on:

- Me rauka te turanga meitaki ki roto i te au ture angaanga.  
the satisfactory progress of the regulations on exploitation;
- Me rava te apinga angaanga a te PMN  
the PMN resource availability;
- Te pirianga meitaki ki rotopu i te CIIC-SR e te au tuanga kimi puapinga
- Te māketē o te 'ārio ki roto i teia au mataiti e tu mai nei.  
the strategic partnership of CIIC-SR and its affiliates; and  
the metals market within the next coming years.

Kua akamarama mai te tiati moni i te au akapouanga moni ki roto i te porokarāmu rima mataiti. Kua tangoia teia akapouanga ki runga i te au mārama tei rauka mai no roto i teia angaanga e kerī moana. Te anoano nei te CIIC-SR i te akamaata atu i teia kimianga puapinga. Ka akapuapingaia teia na roto i te tu'a'anga i te angaanga ki tetai au kamupani ke atu e angaanga nei ki roto i te tuanga tai moana o te Kuki AiraniCI EEZ te ka riro ei meitaki ki te katoatoa.