

22 October 2015

Company Announcements

Australian Securities Exchange Limited  
Level 40, Central Park,  
152-158 St Georges Terrace  
PERTH WA 6000

## IRONBARK PRESENTATION-CHINA MINING CONFERENCE

Ironbark Zinc Limited ("Ironbark" or "the Company")(ASX:IBG) reports that it has been invited to present the Citronen Base Metal Project at the China Mining Conference on behalf of the Greenland Government. Ironbark will also host meetings between key China Nonferrous (NFC) executives and the Minister of Finance and Raw Materials (Mining) Minister Anda Uldum and the Greenland delegation to discuss the development of the Citronen Project.

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## **Disclosure Statements and Important Information**

### ***Forward Looking Statements***

*This announcement contains certain statements that may constitute “forward looking statement”. Such statements are only predictions and are subject to inherent risks and uncertainties, which could cause actual values, results, performance achievements to differ materially from those expressed, implied or projected in any forward looking statements.*

### ***Competent Persons Statement***

*The information included in this report that relates to Exploration Results & Mineral Resources is based on information compiled by Mr A Byass (B.Sc Hons (Geol), B.Econ, FSEG, MAIG) and Ms E Laursen (B. ESc Hons (Geol), MSEG, MAIG), both employees of Ironbark Zinc Limited. Mr Byass & Ms Laursen have sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Byass & Ms Laursen consent to the inclusion in the report of the matters based on this information in the form and context in which it appears*

### ***Competent Persons Disclosure***

*Mr A Byass & Ms E Laursen are employees of Ironbark Zinc Limited and currently hold securities in the company.*



**Jonathan Downes**

演讲人 乔纳森·道恩斯

**Ironbark Zinc Limited**

**Managing Director**

埃隆巴克锌矿有限责任公司 总裁

## Ironbark Zinc - Corporate Summary

### 埃隆巴克--公司简介

- Largest Australian Listed Zinc Company by Zinc Resources  
**澳大利亚最大的锌资源上市公司**
- Focused on a giant zinc deposit in Greenland  
**坐落于格陵兰岛的巨大锌矿床**
- Well situated between Europe and North America  
**位于欧洲和北美之间**
- Completed drilling and processing testwork – Feasibility Study complete  
**钻探和测试工作完成 - 可行性研究完成**
- Technical Board – moving towards production expertise  
**技术委员会 - 推进至生产阶段**
- Working with China Nonferrous (NFC) on project development and funding  
**与中国有色（NFC）合作项目开发和融资**
- Resource remains open ended in every direction  
**资源储量丰富，矿脉延伸长，每个方向都未达到边界。**



# Greenland 格陵兰



- Home Rule – Danish/Greenland Government – negligible sovereign risk  
当地政府 - 丹麦/格陵兰政府 – 主权债务风险可以忽略不计
- Exploration to Exploitation License  
勘探开采许可证
- Bureau of Minerals and Petroleum Greenland – looking to minerals and petroleum to support move to Independence  
格陵兰矿产和石油部-- 期望能够有自我独立的矿物和石油
- Doorstep of Europe and North America  
欧洲和北美的家门口
- New mining school  
特别设立矿业学校现已运营
- Corporate tax rate of 30% and accelerated depreciation  
30%的企业所得税税率和加速的折旧率

# A Globally Significant Zinc Project

# 全球瞩目的锌矿项目

Citronen is one of the world's largest zinc projects by resource size

是世界上资源面积最大的锌项目之一

Considerable exploration potential in addition to existing resource

除现有开采资源外，具有相当大储藏潜力

## Owners - Major Zinc Mine/Deposits

### Company

### Mine/deposit

Xstrata

Mt. Isa

Xstrata

McArthur River

Teck Resources

Red Dog

Hindustan Steel

Rampura Agucha

Govt. & Sichuan Hongda

Lanping

**Ironbark Zinc Limited**

**Citronen**

MMG

Century

BHP Billiton/ Xstrata/  
Teck/ Votorantim Metals  
Mitsubishi Corp/

Antamina

## Citronen Deposit looking East (sulphide horizons in red)

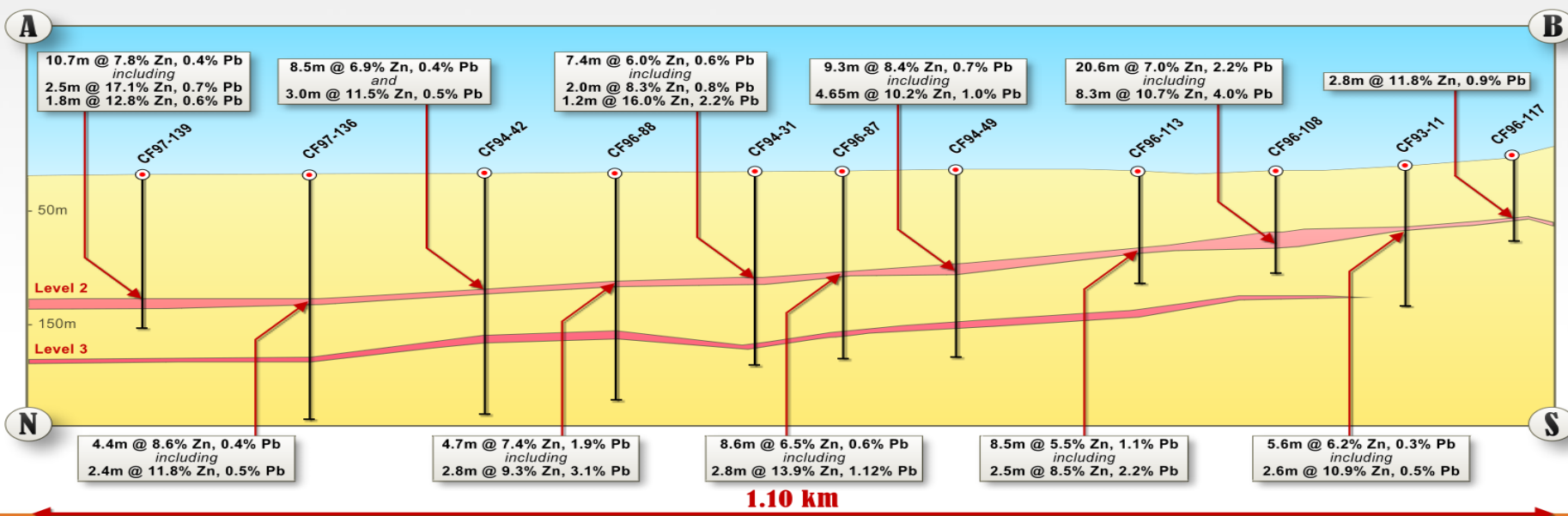


# Bankable Feasibility Confirms Citronen is World Class

## 银行可行性报告确认世界级别矿藏

### Strategic Benefits of Citronen 的战略意义

- Located adjacent to deep, protected water on the doorstep of Europe and North America 毗邻欧洲与北美的入口位置的深水港湾
- Simple, flat and continuous ore zones 平坦连续的易开采矿带
- Open-pit fresh sulphide potential with very low strip ratios to supplement higher grade underground mined mineralisation 露天新鲜硫化物潜力非常低剥采比，以补充高品质地下采矿
- Simple, predominantly underground room and pillar mining operation. Proven DMS and flotation techniques to produce zinc and lead concentrates 简易，主要采用地下柱采矿作业。成熟的DMS和浮选技术生产锌及铅精矿
- MOU with China NFC to provide assistance in acquiring project funding 与中国有色签订的谅解备忘录，得到援助和项目资金支持



## World Class Resource – 100% Owned

## 世界顶级资源--全权拥有

**High Grade - 29.9Mt @ 7.1% Zn + 0.5% Pb (3.5% Zn cut-off)**

中档 - 71公吨含7.1%锌+0.5%铅 ( 3.5%锌截止 )

Resource Category	Mt	Zn %	Pb %	Zn+Pb%
Measured	8.9	6.6	0.6	7.2
Indicated	13.7	6.8	0.5	7.3
Inferred	7.3	6.2	0.5	6.6
Total	29.9	6.6	0.5	7.1

**Within a Larger Resource - 132Mt @ 4.0% Zn + 0.4%Pb (2.0% Zn cut-off)**

更大的资源 - 132公吨含4.0%锌+0.4%铅 ( 2.0%锌截止 )

Resource Category	Mt	Zn %	Pb %	Zn+Pb%
Measured	43.1	4.1	0.5	4.6
Indicated	51.2	4.1	0.4	4.6
Inferred	37.7	3.8	0.4	4.2
Total	132.0	4.0	0.4	4.5



## Bankable Feasibility Confirms Citronen is World Class

### 银行可行性报告确认世界级别矿藏

## Feasibility Summary 可行性报告概要

<b>NPV 净现值</b>	<b>US\$609 million (post tax US\$354 million)</b> <b>美元6.09 亿 (税后 美元3.54 亿)</b>
<b>IRR 内部收益率</b>	<b>32% (post tax 22%)</b> <b>32% (税后22%)</b>
<b>Capital Cost 资金成本</b>	<b>US\$429.3 million</b> <b>4.293 亿美元</b>
<b>Operating Cost<sup>1</sup> 营运成本</b>	<b>(payable US\$)</b>
- Site 场地	<b>48c / pound zinc</b>
- Shipping Logistics 航运物流	<b>11c / pound zinc</b>
- Smelter Fees 冶炼费用	<b>12c / pound zinc</b>
<b>Payback Period 回收期</b>	<b>18 months 18个月</b>
<b>Life of Mine Revenue</b>	<b>US\$5.65 billion</b>

\*Details and assumptions released to the ASX in announcement dated 29 April 2013

\*\* At US\$0.835/ pound zinc, US\$0.905/ pound lead - as at 10 May 2013. Not including depreciation/amortisation.

1. At US\$0.85c/ pound zinc, US\$0.90c/ pound lead – first 5 years of production

## Bankable Feasibility Confirms Citronen is World Class

银行可行性报告确认世界级别矿藏

### Citronen Feasibility Summary

### 可行性报告概要

**Resource 资源**

**30Mt @ 7.1% zinc + lead (Zn + Pb) JORC 2012 resource**

**First 5 Years Mining 首5年开采**

**Underground 16.5 Mt @ ~6.0% - 8.4% Zn + Pb, upgrading to mill feed grade ~8.8% - 14.7% Zn + Pb @ a production rate of 3.3 Mtpa**

**Production Rate 生产率**

**3.3Mtpa ROM Ore**

**Life of Mine 矿山寿命**

**14 years + exploration**

**Premium Concentrate Grade 高级精矿**

**~55% Zn, ~50% Pb**

**- Contained Zn Metal 含锌金属**

**185,677 tpa (average for first 5 years) (首5年平均值)**

**- Contained Pb Metal 含铅金属**

**9,609 tpa (average for first 5 years) (首5年平均值)**

**Exceptional Exploration Upside  
杰出的勘探潜力**

**Mineralisation remains open in almost every direction, potentially adding many years to the life of mine 场的周围都是开放状, 矿山寿命长久**

## 2<sup>nd</sup> Tier - Exciting Pipeline of Projects, Greenland (1)

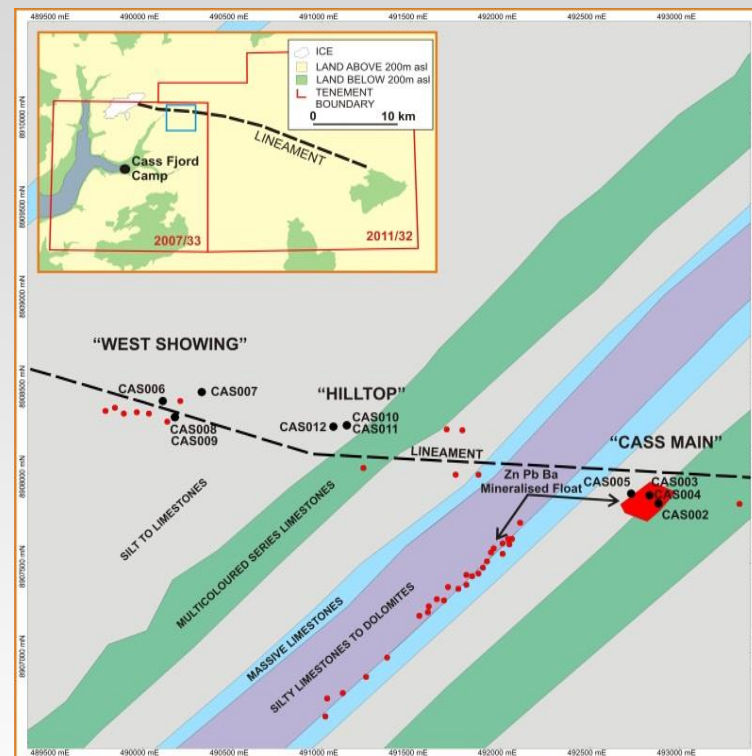
### 2层消息 - 令人振奋的格林兰项目管道 (1)

#### Washington Land (100% Ironbark) 华盛顿Land项目(100%埃隆巴克拥有)

- Explored by RIO in 1998: channel sample of 25m @ 8.9% Zn, 11.1% Pb and 95 g/t Ag  
1998年RIO探索结果：25米管道样品为8.9%的锌、11.1%的铅和 95 g / t 的银
- Ironbark drilling returned 17.0m @ 4.11% Zn + Pb, 23 g/t Ag**  
17m钻探结果显示4.11%的锌和铅，23g/t的银
  - Inc. 3.0m @ 16.44% Zn+Pb, 77 g/t Ag
  - 9.50m @ 4.91% Zn+Pb, 65 g/t Ag
  - Inc. 2.50m @ 8.72% Zn+Pb, 134 g/t Ag

#### Open ended mineralisation 开放式矿藏

- Ironbark established camp and drill rig on site ready to go**  
埃隆巴克的营地和钻探设备均已到场就绪



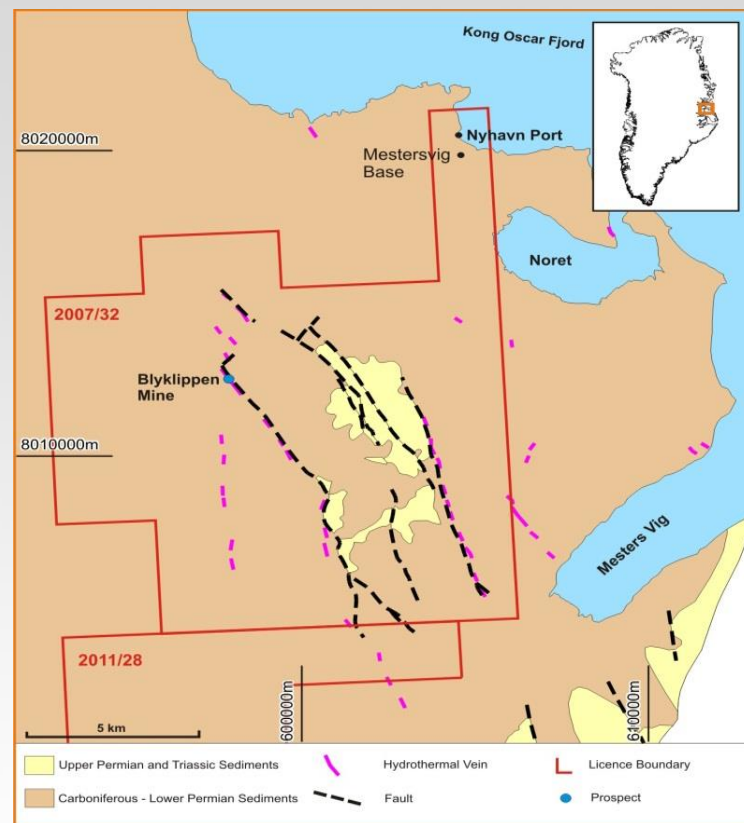
## 2<sup>nd</sup> Tier - Exciting Pipeline of Projects, Greenland (2)

### 2层消息 - 令人振奋的格林兰项目管道 (2)

#### Mestervig (100% Ironbark)

马斯特维格项目 (100%埃隆巴克拥有)

- Historical mining at Blyklippen  
布雷克雷朋有采矿的历史
- Produced +12% Pb + Zn for 6 years  
六年出产12%的铅和锌的记录
- Alteration mapped for numerous repeats in the district  
地图显示本区域有多矿存在
- Unmined drill zones returned up to 5.2 m @ 18.5% Zn+Pb from 40m  
未钻探区域显示从40m到 5.2m有18.%%的锌和铅
- **Ironbark drilling returned 4.95m @ 11.23% Zn** 埃隆巴克钻探结果为 4.95m @ 11.23% Zn
- **Open ended mineralisation** 开放式矿藏







 **IRONBARK** Zinc  
Limited

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