

北極域研究・観測拠点：スバルバル・ニーオルスン基地の現状と今後

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Arctic Research/Observation Site: Ny-Ålesund Station in Svalbard

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The Ny-Ålesund station (79 N, 12 E) in Svalbard was established as the first permanent Arctic research station for Japanese researchers in 1991. Since then it has been contributed to a variety of scientific programs in Svalbard including international joint projects for more than 25 years, with support by the Norwegian Polar Institute and Kings Bay AS. The research station is located next to the airport runway on the west side of the Ny-Ålesund central. The building that the National Institute of Polar Research is renting has a floor area of 276 m², with laboratory and storage rooms and a roof-top observation deck, as well as a kitchen, bedrooms and a bathroom. In the ArCS project, the Ny-Ålesund station is allocated as a strategic core site for research and observation in the Arctic and has been developed to promote effective use of the facility. The Norwegian government decided last year to construct a new research building near the central of Ny-Ålesund which we will be able to use in place of the present facility from next year. The construction has already started aiming for its completion by the next summer. The outline of the new facility is introduced in this presentation.

ニーオルスン基地（北緯 79° 東経 12°）は、北極圏における日本初の恒久的観測基地として 1991 年に設立され、昨年 25 周年を迎えた。同基地は、現在 11 か国が参加するスバルバル国際観測村内にあり、これまでに数多くの国際共同観測をはじめ、わが国の北極研究の中核拠点として日本の研究者に活用されるとともに、若手研究者の育成の場としても利用されてきた。北極域研究推進プロジェクト（ArCS）においても、国際連携拠点の戦略的強化の一環として、北極圏国が直面する地球環境変化に起因する課題の把握と解決に向けて、その機能強化を図りつつある。現在、ノルウェー政府により観測村中央部付近に新観測棟が建設中で、国立極地研究所では、現行施設の老朽化に伴い、来年度以降この新棟への移転を計画している。講演では、これまでのニーオルスン基地の活用実績と今後の新観測棟の利用計画等について報告する。



Figure 1. The outlook of the new science building under construction around the Ny-Ålesund central.