

ADEX MINING TO COMMENCE TIN METAL TEST WORK

Toronto – January 6, 2011 – Adex Mining Inc. (“Adex” or the “Company”) (TSX-V: ADE) is pleased to announce that it has engaged Xstrata Process Support (“XPS”) of Sudbury, Ontario to test the pyrometallurgical options for the extraction of tin metal from tin concentrate planned to be produced from the North Zone (“NZ”) at Adex’ wholly-owned Mount Pleasant Mine Property (“Mount Pleasant” or the “Property”) located in south-western New Brunswick, Canada.

The report of a preliminary assessment of the NZ completed by Adex in early 2010 (available at www.sedar.com) proposed only the production and sale of tin concentrate from the NZ. However, due to recent advances in small scale pyrometallurgical (smelting) technologies and following discussions with XPS, Adex believes that the potential production of tin metal, as a final saleable product, could have a significant positive impact on the economics of a mining operation at the NZ.

Consequently, XPS has been engaged to perform Phase 1 pyrometallurgical test work to determine the options for the extraction of tin metal from tin concentrate. The objectives and key deliverables of this test work include the following: a) thermo-chemical modeling of the tin smelting process and the determination of preliminary operating parameters; b) crucible testing of NZ concentrate for the tin smelting process; and c) conceptual flowsheet development. This test work, which is anticipated to take between 6-10 weeks to complete, is expected to lead to additional work for the production of a final tin metal product as an important option for consideration within a definitive feasibility study on the NZ due to commence in early 2011.

ABOUT ADEX

Adex Mining Inc. is a Canadian junior mining company with an experienced management team. The Company is focused on developing its flagship Mount Pleasant Mine Property, a multi-metal project that is host to promising tungsten-molybdenum and tin-indium-zinc mineralization. Located in Charlotte County, New Brunswick, the Mount Pleasant Mine Property is 80 kilometres south of Fredericton, the provincial capital, and 65 kilometres from the United States border. The common shares of Adex trade on the TSX Venture Exchange under the stock symbol "ADE".

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No securities commission or regulatory authority has approved or disapproved the contents of this press release.

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FORWARD-LOOKING STATEMENTS

Certain statements in this press release may constitute "forward-looking" statements which involve known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements of Adex, its subsidiary or the industry in which they operate to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. When used in this press release, the words "estimate", "believe", "anticipate", "intend", "expect", "plan", "may", "should", "will", the negative thereof or other variations thereon or comparable terminology are intended to identify forward-looking statements. Such statements reflect the current expectations of the management of Adex with respect to future events based on currently available information and are subject to risks and uncertainties that could cause actual results, performance or achievements to differ materially from those expressed or implied by those forward-looking statements. These risks and uncertainties are detailed from time to time, including, without limitation, under the heading "Risk Factors", in reports filed by Adex with the Alberta, British Columbia and Ontario Securities Commissions which are available at www.sedar.com and to which readers of this press release are referred for additional information concerning Adex, its prospects and the risks and uncertainties relating to Adex and its prospects. New risk factors may arise from time to time and it is not possible for management to predict all of those risk factors or the extent to which any factor or combination of factors may cause actual results, performance and achievements of Adex to be materially different from those contained in forward-looking statements. Although the forward-looking statements contained in this press release are based upon what management believes to be reasonable assumptions, Adex cannot assure investors that actual results will be consistent with these forward-looking statements. Given these risks and uncertainties, investors should not place undue reliance on forward-looking statements as a prediction of actual results.

The forward-looking information contained in this press release is current only as of the date of the press release. Adex does not undertake or assume any obligation to release publicly any revisions to these forward-looking statements to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events, except as required by law.