

**Music 222 Sound in Space
Project Proposal**

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Title

Ambisonic Composition and Performance for Sub-Antarctic Bioculture
Conservation Program

Anticipated Timeline

March 30 – May 22

Aim

To compose an ambisonic piece using the recordings obtained in Puerto
Williams, Chile during Mar. 19- 26.

Synopsis

Living in an era where global environmental problems press on the lives of living organisms on the planet, the importance of conservation should be addressed. It is my hope to contribute my effort in the process of ecology conservation by assisting the Sub-Antarctic Bioculture Conservation Program as a composer.

The selected recordings obtained in Puerto Williams, Chile will be the main sources of musical gestures in this composition. The environmental sounds will be eliminated using Interactive Source Separation Editor (ISSE). The main equipment that will be used to realize the musical gestures are ipad, Max/msp, Ardour. Mostly importantly, 3D audio systems will be used in order to hear the resulting multichannel output. Ipad will be used to control the direction of the sounds of the sound files. Max/msp will work with ICSP and it will contain the main patch for ambisonic control. Finally Ardour will be used to record the resulting ambisonic sounds. These recordings serve as intermediate sound tracks that will be incorporate into a piece.

For the interest of accentuate the idea of conservation, symphonies of birdcalls and natural sounds such as waterfall will be put into the piece. These accentuations will also serve as major makers in the structure of the piece. Through the process of manipulating the sounds and the structure of the piece, a balance between the composer's musical ideas and the intention of conservation can be obtained.

The location of the possible performance would be the Bing concert hall or the CCRMA stage. The tentative dates for the performances are May 20, 21 and the beginning of June in which the latter date depend on the availability of the staff of Center for Latin American Studies.