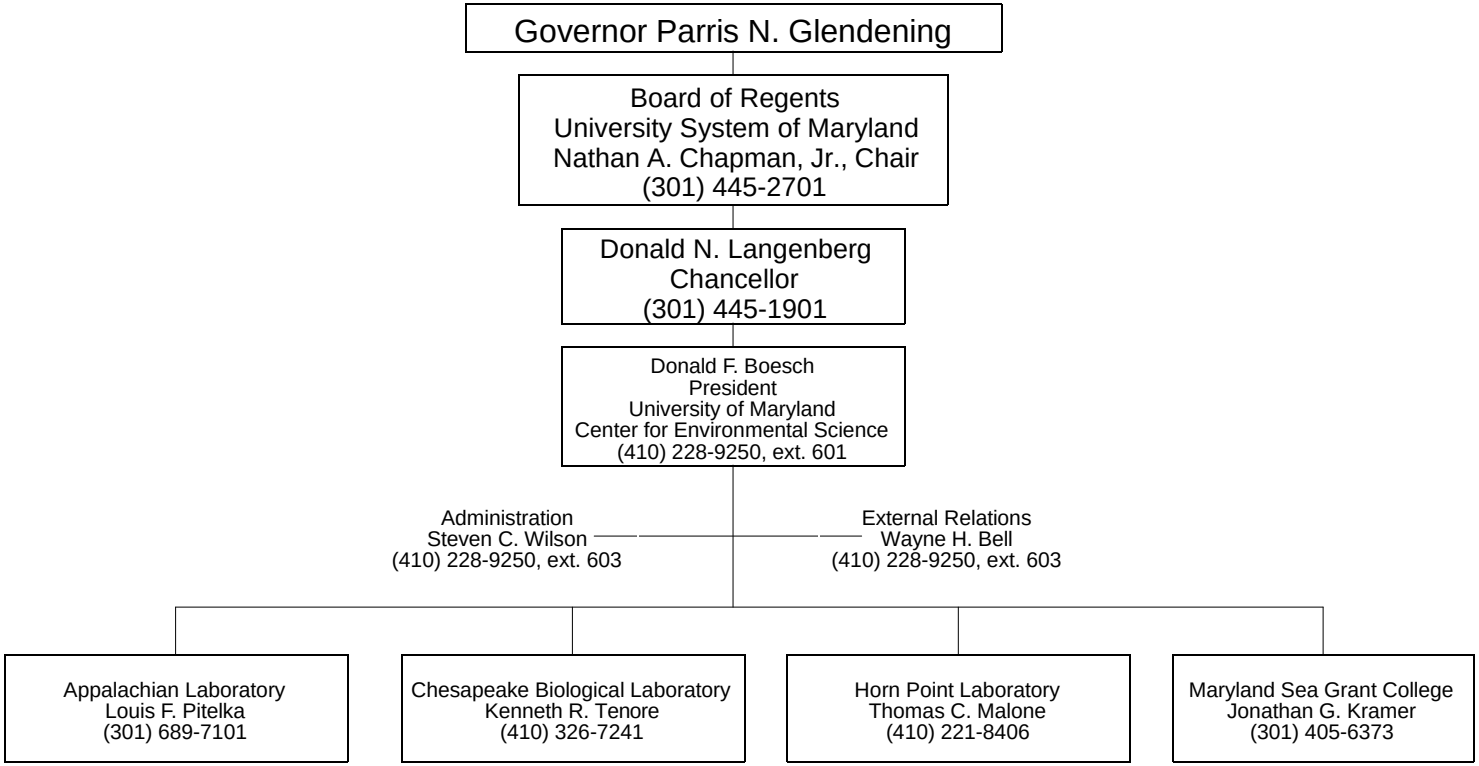UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE