Declare Sub Sleep Lib "kernel32" (ByVal dwMilliseconds As Long)
' Version office 2010 64its mettre en commentaire la ligne du dessus
' rendre active la ligne du dessous

Declare PtrSafe Sub Sleep Lib "kernel32" (ByVal dwMilliseconds As Long)

Function GoogleGeocode(address As String) As String
    Dim strAddress As String
    Dim strQuery As String
    Dim strLatitude As String
    Dim strLongitude As String

    strAddress = URLEncode(address)

    strQuery = "http://maps.googleapis.com/maps/api/geocode/xml?" 
    strQuery = strQuery & "address=" & strAddress 
    strQuery = strQuery & "&sensor=false"

    Dim googleResult As New MSXML2.DOMDocument 
    Dim googleService As New MSXML2.XMLHTTP 
    Dim oNodes As MSXML2.IXMLDOMNodeList 
    Dim oNode As MSXML2.IXMLDOMNode

    googleService.Open "GET", strQuery, False 
    googleService.send 
    googleResult.LoadXML (googleService.responseText)

    Set oNodes = googleResult.getElementsByTagName("geometry")

    If oNodes.Length = 1 Then
        For Each oNode In oNodes
            strLatitude = oNode.childNodes(0).childNodes(0).text 
            strLongitude = oNode.childNodes(0).childNodes(1).text 
            GoogleGeocode = strLatitude & "," & strLongitude 
        Next oNode
    Else
        GoogleGeocode = "Aucune info"
    End If
    Sleep 125
End Function

Public Function URLEncode(StringVal As String, Optional SpaceAsPlus As Boolean = False) As String
    Dim StringLen As Long: StringLen = Len(StringVal)

    If StringLen > 0 Then
        ReDim result(StringLen) As String 
        Dim i As Long, CharCode As Integer 
        Dim Char As String, Space As String

        If SpaceAsPlus Then Space = "+" Else Space = "%20"

        For i = 1 To StringLen
            Char = StringVal(i)
            CharCode = Asc(Char)
            If CharCode > 127 Then result(i) = CharCode 
            Else result(i) = Char
        Next i
        For i = StringLen To 0 Step -1
            result(i) = Space 
        Next i
        result(StringLen) = Char
        result = String(result)
    End If
Char = Mid$(StringVal, i, 1)
CharCode = Asc(Char)

Select Case CharCode
Case 97 To 122, 65 To 90, 48 To 57, 45, 46, 95, 126
   result(i) = Char
Case 32
   result(i) = Space
Case 0 To 15
   result(i) = "%0" & Hex(CharCode)
Case Else
   result(i) = "%" & Hex(CharCode)
End Select
Next i
URLEncode = Join(result, "")
End If
End Function